11000

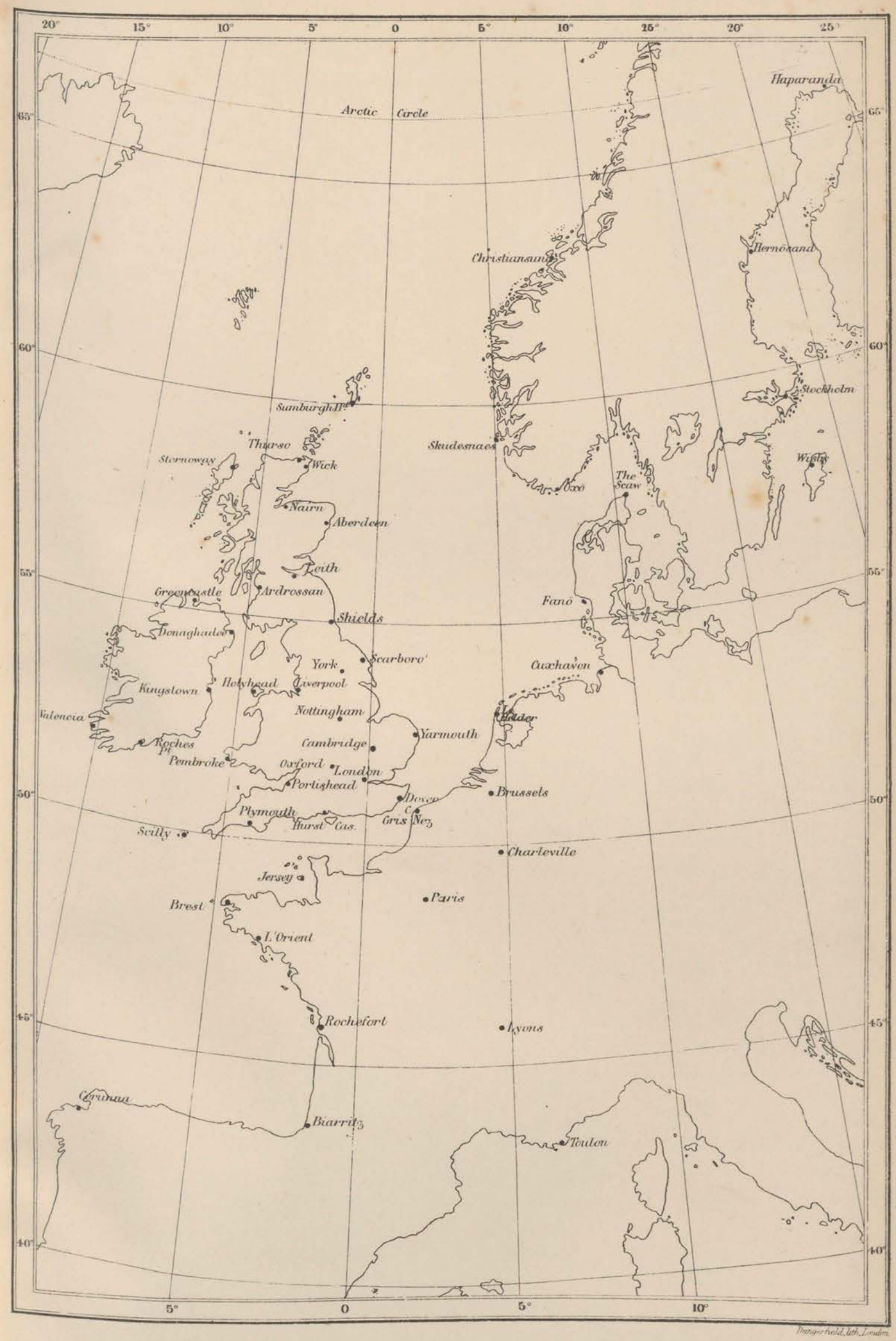
METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY — 30TH JUNE,

1878.

F & T 550 10-78



Bumpstead lith. London

MAP SHOWING ALL THE STATIONS REPORTING BY TELEGRAPH DAILY TO THE METEOROLOGICAL OFFICE, JAN. 1, 1878.

DAILY WEATHER REPORT FEB^Y 1ST 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Therm. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 A.M. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 A.M. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.73	27	S	4	0	29.69	− .56	23	23	+ 4	NW	4	s	*	27	19	—
Hernösand ...	29.91	26	S	2	s	29.98	− .34	26	24	+ 11	WNW	2	b	*	*	*	0.04
Stockholm ...	30.21	30	WSW	4	0	29.87	− .51	21	20	− 12	W	2	b	*	*	*	0.04
Wisby	30.28	25	SE	6	0	30.04	− .25	32	31	+ 4	NW	8	0	*	*	*	0.04
Christiansund ...	30.07	38	NW	6	b	30.21	− .01	35	34	0	NW	4	c	s	?	34	0.39
Skudesnaes ...	30.37	35	ESE	2	s	30.24	− .24	37	37	+ 12	NNW	2	bc	3	?	25	0.12
Oxö (Christiansand)	30.36	31	WSW	4	c	30.12	− .32	40	38	+ 15	NNW	4	bc	2	?	?	—
Skagen (The Skaw)	30.34	32	W	3	0	30.13	− .27	36	35	+ 6	NE	4	c	5	37	27	—
Fanö	30.46	28	WSW	1	b	30.22	− .15	37	37	+ 6	W	4	0	*	37	27	—
Cuxhaven ...	30.40	35	NE	2	0	30.35	+ .06	35	34	+ 1	WSW	1	c	*	?	30	—
Sumburgh Head	30.35	45	W	4	c	30.35	− .07	42	41	+ 3	NNW	3	0	3	45	36	0.04
Stornoway	30.58	40	W	1	0	30.48	+ .02	41	40	+ 7	NW	1	0	0	41	33	0.01
Thurso	30.48	39	S	1	c	30.43	− .04	45	44	+ 18	WSW	3	0	3	46	26	0.04
Wick	30.49	38	NW	1	0	30.45	− .03	41	40	+ 10	W	1	0	0	43	29	0.01
Nairn	30.55	40	Z	0	c	30.50	+ .02	42	37	+ 14	Z	0	b	1	42	27	—
Aberdeen ...	30.53	34	Z	0	bm	30.47	− .04	38	36	+ 11	WNW	1	bc	1	41	27	—
Leith	30.59	35	NW	2	c	30.53	− .01	38	37	+ 9	WSW	1	bc	*	39	28	—
Shields	30.60	38	NNW	1	b	30.56	+ .02	33	32	0	W	2	b	2	41	31	—
Scarborough .	30.59	39	NE	2	c	30.54	− .05	33	32	− 6	W	1	b	2	41	32	—
York	30.61	37	NE	1	0	30.58	+ .04	29	29	− 2	N	1	b	*	43	26	0.01
Nottingham ...	30.62	?	N	1	b	30.60	+ .08	25	24	− 8	Z	0	b	*	41	24	—
Ardrossan ...	30.62	37	Z	0	bf	30.57	+ .03	44	42	+ 11	W	2	0	1	44	33	—
Greencastle ...	30.58	36	ESE	1	c	30.59	+ .06	32	32	0	N	1	b	*	45	29	—
Donaghadee ...	30.64	36	S	2	b	30.62	+ .06	31	31	− 2	WSW	2	b	1	40	30	—
Kingstown ...	30.64	41	NW	1	c	30.66	+ .11	34	33	0	WNW	1	b	2	42	33	—
Holyhead ...	30.61	41	E	1	b	30.62	+ .10	36	35	− 2	SSW	1	f	0	42	34	—
Liverpool (Hoylake)	30.64	35	NNE	1	b	30.62	+ .08	35	34	+ 2	W	1	0	1	39	32	—
Valencia	30.59	45	SE	3	0	30.65	+ .15	36	35	− 6	Z	0	b	2	48	34	—
Roche's Point...	30.63	40	ESE	3	b	30.66	+ .13	34	32	− 9	N	2	b	2	45	33	—
Pembroke ...	30.59	37	NE	1	b	30.64	+ .12	33	32	− 2	NE	1	bm	1	43	31	—
Portishead ...	30.55	36	NNW	3	b	30.60	+ .10	27	27	− 3	Z	0	b	1	41	25	—
Scilly																	
Plymouth ...	30.54	37	NNE	3	b	30.61	+ .12	31	30	− 3	NNE	2	bm	*	43	31	—
Hurst Castle ...	30.57	36	NNE	3	b	30.57	+ .12	32	30	+ 2	NNE	3	b	2	38	27	—
Dover	30.48	38	NNE	4	c	30.54	+ .15	37	35	+ 1	N	3	cg	2	41	35	0.20
London	30.54	38	NE	2	bm	30.58	+ .13	33	31	0	NNE	1	cf	*	40	32	—
Oxford	*	*	*	*	*	30.61	+ .11	29	29	0	N	1	bf	*	41	28	—
Cambridge ...	30.56	32	N	1	b	30.58	+ .11	28	28	− 3	NW	1	b	*	42	27	—
Yarmouth ...	30.57	38	NE	4	qod	30.53	+ .12	33	33	− 4	NW	2	bm	3	40	32	0.02
The Helder ...	*	*	*	*	*	30.45	+ .11	38	36	+ 2	N	1	c	*	*	*	—
Cape Gris Nez	30.43	37	NE	4	0	30.49	+ .14	37	37	+ 1	NE	4	0	3	41	34	0.16
Jersey	30.48	40	NE	5	c	30.54	+ .11	39	38	+ 1	NE	5	c	4	43	37	0.02
Brest	30.46	46	ENE	3	b	30.57	+ .10	37	36	0	E	2	0	3	?	34	—
L'Orient	30.47	37	NE	4	bc	30.49	+ .11	34	32	− 2	ENE	3	b	3	43	30	—
Rochefort ...	30.34	40	NE	5	bc	30.39	+ .13	32	32	− 2	NE	5	0	3	45	28	—
Biarritz	30.24	43	ENE	2	0	30.30	+ .09	34	32	0	ESE	1	0	3	?	30	—
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.49	+ .14	32	31	+ 2	NE	4	0	*	35	31	—
Charleville ...	*	*	*	*	*	? 30.36	+ .15	32	*	+ 1	NNE	3	0	*	*	*	*
Paris	30.39	32	NE	4	0	30.46	+ .14	34	33	+ 3	NE	1	0	*	*	*	—
Lyons	*	*	*	*	*	30.32	+ .15	42	*	+ 5	NE	4	0	*	*	*	*
Toulon	30.05	39	W	3	b	30.15	+ .18	37	37	+ 1	E	5	b	3	45	34	0.04

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.47	32	32	ESE	2	0	1	Valencia	30.56	47	44	SE	2	0	3
Thurso	30.48	40	38	S	1	0	2	Scilly							
Scarborough ...	30.56	40	37	NE	3	b	3	London	30.49	40	36	NNE	3	bcm	*
Greencastle ...	30.56	42	40	S	1	b	*	Rochefort ...	30.27	36	34	NE	4	bc	3
Holyhead	30.59	41	39	NE	2	b	1								

No change of importance.

EXPLANATION OF COLUMNS.

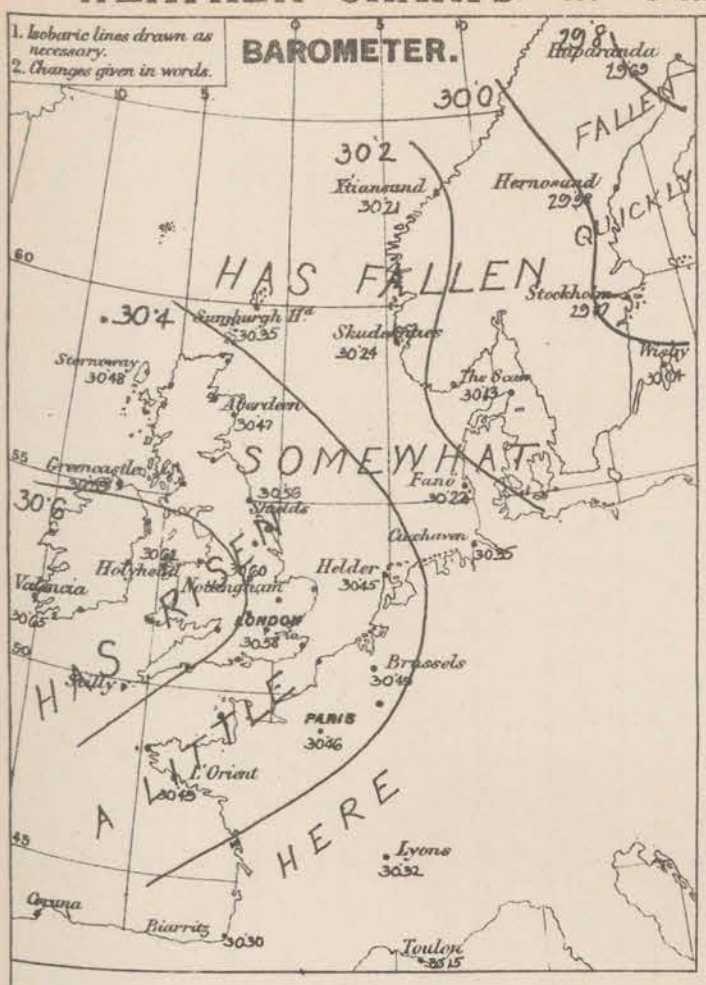
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

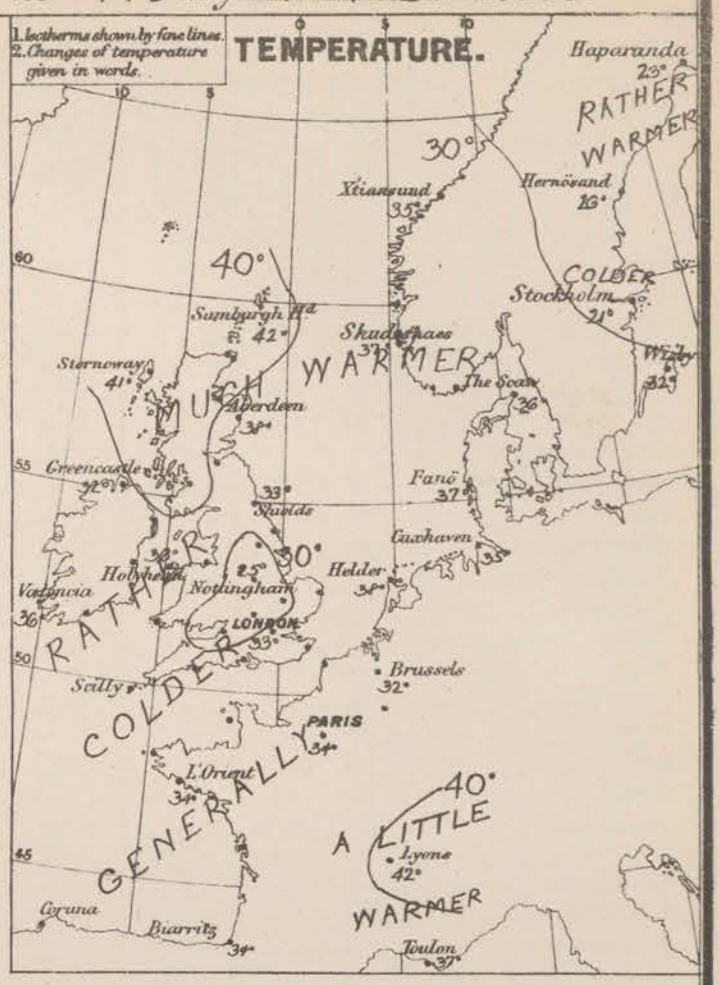
* AN ASTERISK is inserted in all places for which information is not usually received.

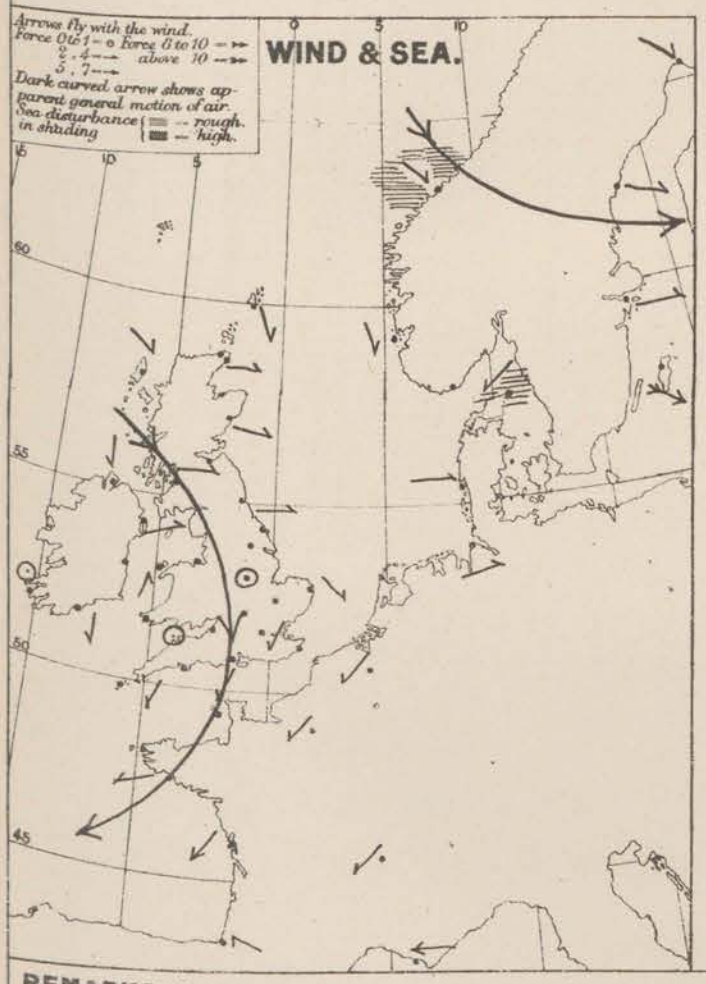
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

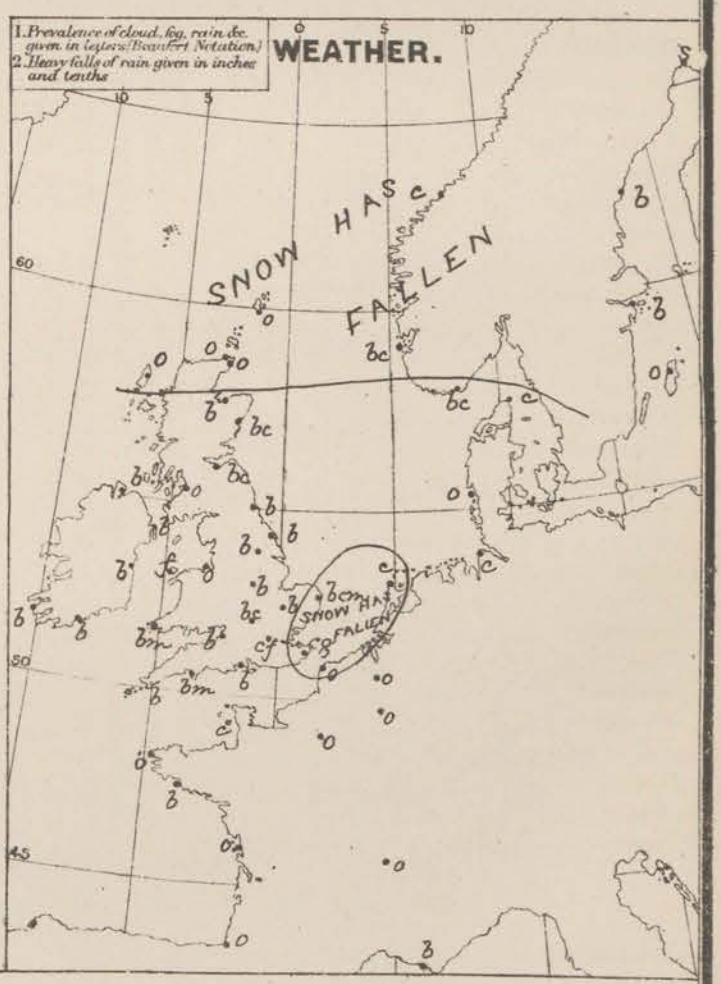
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Friday 1st Feby 1878.









REMARKS. Weather is dull in many parts of Scotland and France, but in nearly all other places the sky is clear or nearly so; fog is again reported in London, and mist at some of our western stations. The weather has been very dry over the country. Temperature has risen fast over Scotland and Norway, and slightly over Denmark and North Germany, but a further fall is reported elsewhere; the thermometer stands at 25° at Nottingham, 33° in London, and 32° at Rochefort; the weather at the last named stations is twelve degrees colder than in the north of Scotland. Wind is NW., and moderate to strong in force, in Scandinavia, and light from W. to NW. at our more northern and north eastern stations, but in the south it is NW. to NE. Sea is smooth.

Barometrical Indications. Pressure has decreased very quickly over Sweden, and the fall has extended in a less degree SW. as far as our north east coast; elsewhere the barometer still rises, and an area of high readings (30·6 ins.) lies over Ireland and the west of England.

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Meteorological Office.
116, Victoria Street, Westminster, S.W.
R. H. SCOTT.
Secretary

DAILY WEATHER REPORT FEBY 2ND 1878.

STATIONS.	7 YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Heading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29·94	18	N	2	o	29·26	− ·43	26	26	+ 3	SW	6	o	*	?	12	0·28
Hernösand ...	30·13	18	N	2	b	29·69	− ·29	29	27	+ 3	W	4	o	*	*	*	—
Stockholm ...	30·06	26	NNE	4	o	30·00	+ ·13	21	20	o	SSW	2	o	*	*	*	—
Wisby	30·03	31	NE	8	bc	30·08	+ ·04	31	30	− 1	NW	6	o	*	*	*	—
Christiansund ...	30·14	34	WSW	2	m	29·88	− ·33	41	39	+ 6	WSW	9	r	5	41	32	0·12
Skudesnaes ...	30·27	31	NNE	1	b	30·19	− ·05	33	33	− 4	E	1	f	1	37	?	—
Oxö (Xtiansand)	30·28	29	N	4	b	30·08	− ·04	24	23	− 16	NNW	2	c	2	?	21	—
Skagen (The Skaw)	30·27	35	ESE	2	b	30·12	− ·01	31	30	− 5	WSW	4	o	3	37	27	—
Fanö	30·26	30	ENE	2	b	30·25	+ ·03	28	27	− 9	Z	o	bc	*	39	27	—
Cuxhaven ...	30·17	38	N	2	o	30·27	− ·08	33	33	− 2	N	1	b	*	?	30	0·01
Sumburgh Head	30·31	43	NNW	4	o	30·24	− ·11	44	43	+ 2	NNW	5	o	4	46	39	0·04
Stornoway	30·46	43	WSW	1	o	30·44	− ·04	44	43	+ 3	W	1	d	1	44	33	0·01
Thurso	30·41	45	WNW	3	o	30·35	− ·08	44	44	− 1	WSW	3	f	3	50	43	0·03
Wick	30·40	42	NW	3	o	30·35	− ·10	45	43	+ 4	NW	2	r	0	45	39	0·02
Nairn	30·46	44	Z	o	c	30·43	− ·07	41	38	− 1	Z	o	b	1	44	38	—
Aberdeen ...	30·42	38	Z	o	bm	30·39	− ·08	38	37	o	W	1	bm	0	46	35	—
Leith	30·47	41	W	1	c	30·44	− ·09	32	32	− 6	W	1	bcm	*	44	?	—
Shields	30·48	39	W	2	b	30·45	− ·11	39	37	+ 6	NW	2	om	2	42	32	—
Scarborough ..	30·45	40	NNW	2	o	30·41	− ·13	43	42	+ 10	NNW	2	o	2	44	33	—
York	30·50	39	NW	1	c	30·45	− ·13	37	37	+ 8	NNW	1	o	*	45	28	—
Nottingham ...	30·52	38	NW	1	c	30·47	− ·13	41	37	+ 16	NNW	2	o	*	42	25	0·02
Ardrossan ...	30·46	45	NNW	3	c	30·46	− ·11	37	36	− 7	E	1	f	0	46	35	—
Greencastle ...	30·52	40	NNW	1	o	30·48	− ·11	43	42	+ 11	NNE	1	o	*	43	30	—
Donaghadee ...	30·55	39	W	2	b	30·49	− ·13	42	41	+ 11	W	3	o	2	42	30	—
Kingstown ...	30·59	35	WNW	4	b	30·53	− ·13	40	38	+ 6	WNW	4	om	3	41	33	—
Holyhead ...	30·55	42	NW	3	o	30·46	− ·16	45	44	+ 9	NNW	3	og	2	46	35	—
Liverpool (Bidston)	30·52	40	WNW	1	o	30·48	− ·14	38	38	+ 3	SE	1	f	1	41	? 35	0·02
Valencia	30·58	39	Z	o	bm	30·55	− ·10	34	33	− 2	Z	o	b	1	48	32	—
Roche's Point...	30·59	38	N	1	b	30·55	− ·11	36	34	+ 2	NNW	3	b	3	42	33	—
Pembroke ...	30·56	41	N	1	o	30·49	− ·15	42	42	+ 9	N	1	o	1	43	33	—
Portishead ...	30·52	?38	W	3	o	30·44	− ·16	36	36	+ 9	NE	1	o	2	42	25	—
Scilly																	
Plymouth ...	30·54	37	NNE	2	b	30·47	− ·14	35	34	+ 4	Z	o	o	*	43	31	—
Hurst Castle ...	30·50	35	NNW	1	bm	30·43	− ·14	36	35	+ 4	NE	1	om	2	40	30	—
Dover	30·46	38	NNE	4	bc	30·36	− ·18	39	38	+ 2	NNW	3	cr	1	40	36	0·08
London	30·49	39	NW	2	bom	30·40	− ·18	37	36	+ 4	NNW	2	og	*	41	29	0·01
Oxford	*	*	*	*	*	30·44	− ·17	36	35	+ 7	Z	o	m	*	41	29	0·01
Cambridge ...	30·47	35	NW	1	b	30·41	− ·17	37	37	+ 9	NW	1	r	*	43	26	0·03
Yarmouth ...	30·41	40	NW	2	o	30·33	− ·20	41	41	+ 8	NNW	2	cf	2	41	32	0·03
The Helder. ...	*	*	*	*	*	30·30	− ·15	36	35	− 2	NNE	1	bc	*	*	*	0·04
Cape Gris Nez	30·43	39	N	3	o	?	?	39	39	+ 2	N	3	r	3	41	36	0·04
Jersey	30·54	39	NE	3	c	30·43	− ·11	40	38	+ 1	NE	1	cm	1	41	36	—
Brest	30·49	45	NE	2	o	30·43	− ·08	37	36	o	E	1	o	2	?	34	—
L'Orient	30·46	37	NE	3	c	30·44	− ·05	34	32	o	NE	2	b	3	43	30	—
Rochefort ...	30·36	41	NE	5	o	30·36	− ·03	34	32	+ 2	NE	3	o	3	46	30	—
Biarritz	30·29	45	ESE	1	bc	30·32	+ ·02	32	32	− 2	SE	1	o	2	?	28	—
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30·30	− ·19	36	36	+ 4	NNW	3	o	*	?	?	0·08
Charleville ...	*	*	*	*	*	?	?	35	*	+ 3	NW	1	o	*	*	*	*
Paris	30·44	34	NE	4	o	30·31	− ·15	36	35	+ 2	NW	1	o	*	*	*	—
Lyons	*	*	*	*	*	30·29	− ·03	38	*	− 4	NE	4	o	*	*	*	*
Toulon	30·16	43	Z	o	b	30·05	− ·10	36	34	− 1	Z	o	b	3	48	?	—

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·25	36	34	ENE	2	b	1	Valencia	30·60	46	41	SSE	1	bm	3
Thurso	30·41	47	46	N	3	bc	4	Scilly							
Scarborough ...	30·47	43	40	NNW	2	b	2	London	30·57	40	36	N	2	bm	*
Greencastle ...	30·56	40	38	SW	1	b	*	Rochefort ...	30·35	37	36	NE	5	o	3
Holyhead	30·58	43	41	NW	2	o	1								

Pressure is going way slowly everywhere while temperature is rising. The winds are very light.

EXPLANATION OF COLUMNS.

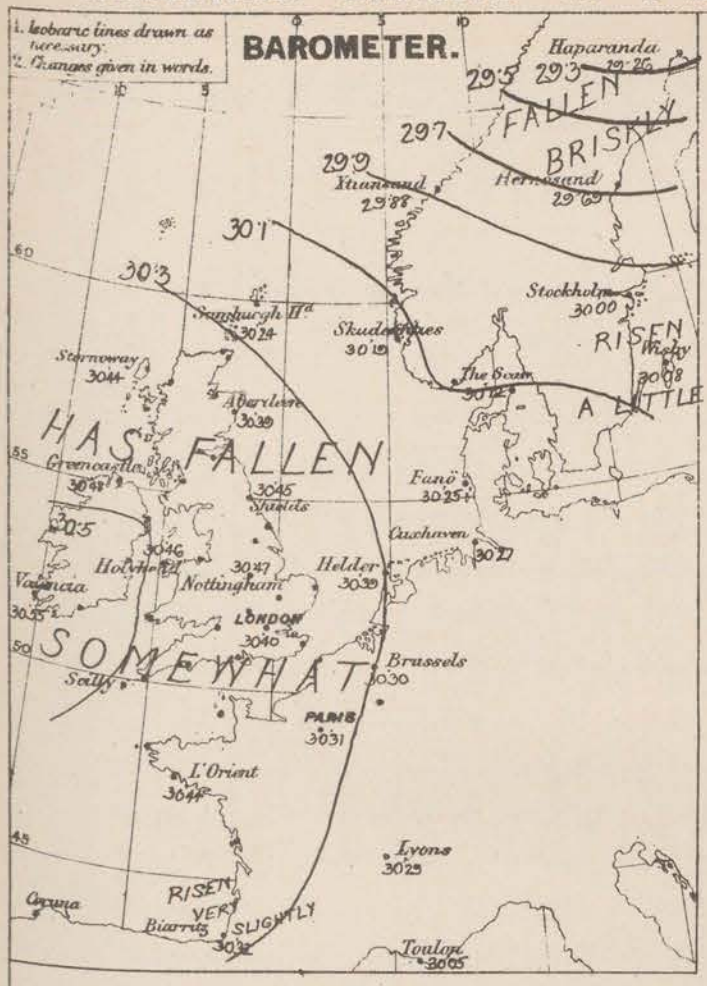
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparenc; w. dew.

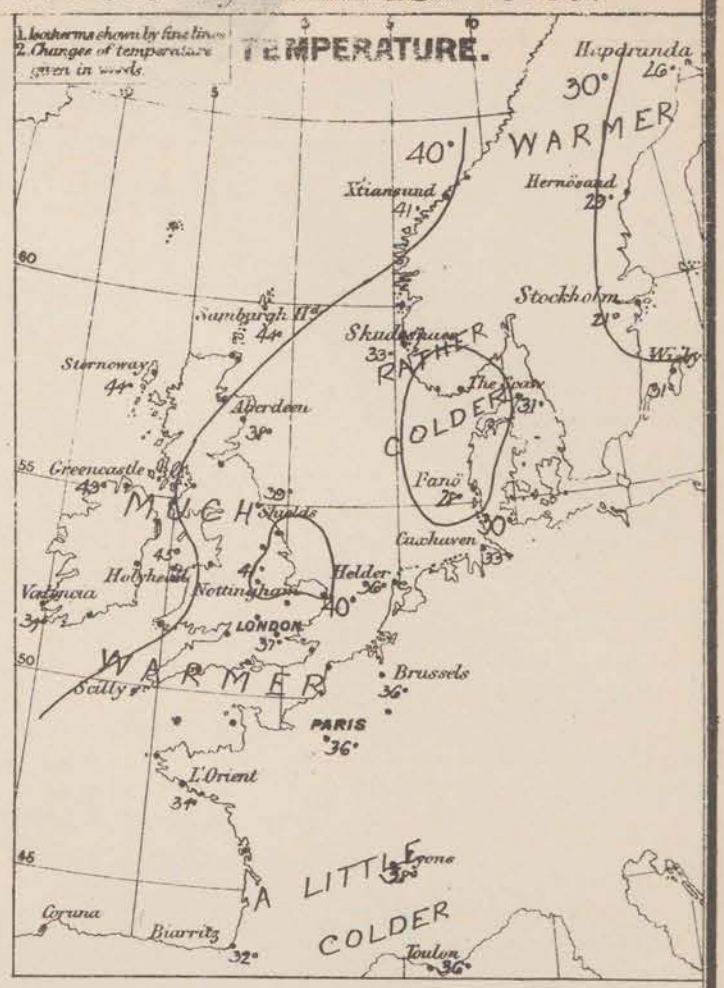
* **AN ASTERISK** is inserted in all places for which information is not usually received.

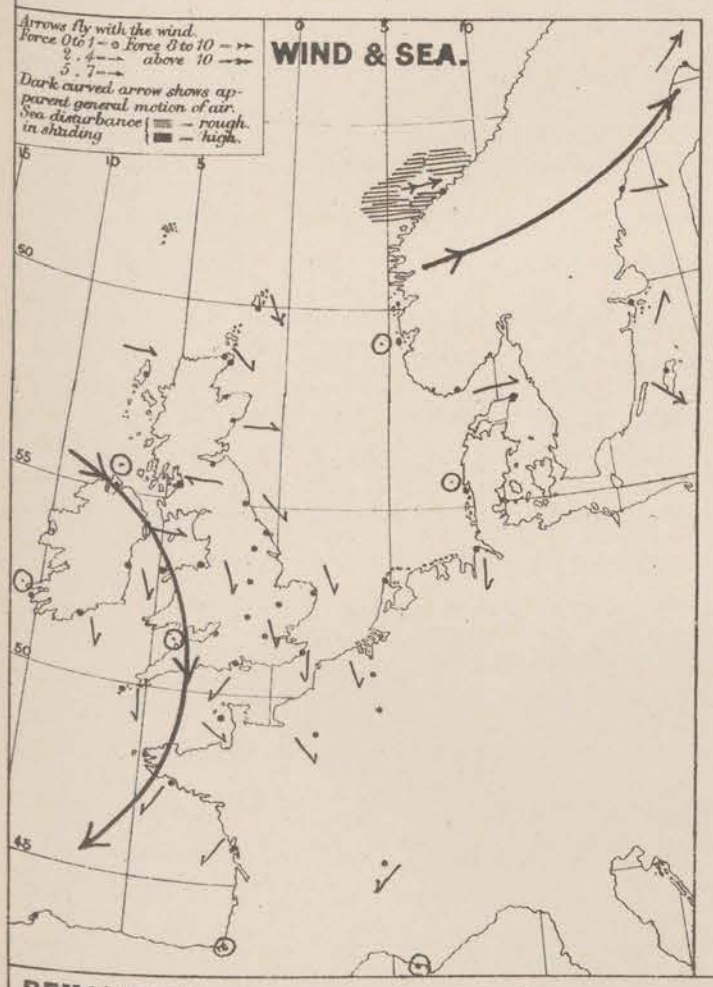
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m (Paris time) in France.

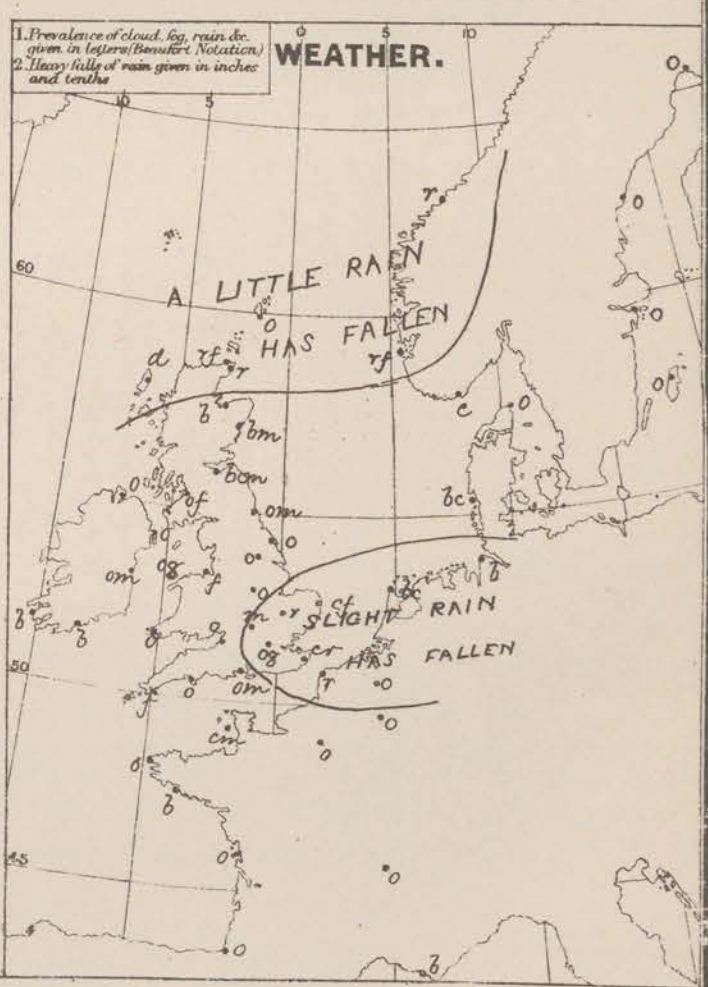
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Saturday 2nd Feby 1878.









REMARKS. Weather is clear in the south of Ireland, but elsewhere the sky is overcast or very cloudy, with rain drizzle and mist in many places. Rain fell at a few of our northern and south eastern stations yesterday. Temperature has fallen again in Scotland, as well as on the eastern shores of the North Sea, but in most other places it has risen; over the central and southern parts of France however, it has decreased, and Biarritz is 12° colder than the Shetlands. The readings vary from 32° to 44° in Scotland, from 34° to 43° over Ireland, and from 36° to 45° over England. Wind is light from W, NW. or N on our coasts but at Christiansund a hard NW gale is reported, and at Haparanda a strong SW wind. Sea is slight or smooth.

Barometrical Indications. The mercury continues to fall briskly in the north of Sweden and the decrease of pressure has now extended to all parts of Western Europe except the extreme south west of France. The highest readings are shown over Iceland, and the lowest over the Gulf of Bothnia.

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Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JAN^Y 27TH *to* FEB^Y 2ND 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The weather has been very quiet during this period. At first a light S^LY wind prevailed (without, however, causing any increase in temperature), but on Monday a NW^LY breeze appeared in the W. and gradually spreading over us had extended by the next day to nearly all coasts. On Wednesday a large area of uniformly high pressure lay over these Islands and light variable airs, with cold, dry, but foggy weather were experienced. From this time until the close of the week pressure remained high and uniform in our neighbourhood, scarcely any rain fell, and the weather continued fine with a cold north-easterly wind.

JAN^Y 27TH Pressure was increasing over Scandinavia, the south-east of England, north Germany and the east of France, but decreasing on our western and northern coasts. Readings were high both over the Gulf of Bothnia and the south-west of France, low off the west coast of Scotland and over north Germany. Wind was north-easterly on the eastern shores of the North Sea, southerly on our coasts; it was fresh to strong in force in the West and North. Temperature had risen over Ireland and Scotland, fallen in most other places; over south-eastern England the weather was rather cold and a difference of 20° existed between that district and Valentia (50°). Sky was moderately clear on our east coast, cloudy or overcast elsewhere with rain in the north-west. During the day a distinct depression appeared off the west of Scotland, and the wind increased to a moderate gale at Aberdeen and Wick and to a hard gale in the Shetlands.

JAN^Y 28TH Pressure was still increasing over Lapland, and in Ireland a slight recovery had commenced during the night, but in all other parts of our area the barometer was falling. The depression noticed on the previous day lay over the north-east of Scotland, while small subsidiary disturbances were shown in other parts of the country. Wind was north-westerly over Ireland, the south-west of England and Brittany, southerly on our east coast, and south-easterly over the North Sea. The southerly current was strong in force in places. Temperature had fallen several degrees in the west, but risen quickly in the south-east of England and slightly in France; it was uniform at about 40° over the British Isles, but in Sweden the weather was very cold. Sky was moderately clear in Ireland, overcast elsewhere with rain over nearly the whole of England. In the evening the barometer was rising everywhere, the main depression was moving north-eastwards towards Norway, while the subsidiary disturbance had passed on eastwards to the North Sea, and the NW^LY wind was spreading.

JAN^Y 29TH Pressure was increasing in all parts of western Europe. It was high both over the Gulf of Bothnia and the south-west of France, and relatively low over the North Sea. Wind was south-easterly over north Germany, Denmark and Scandinavia, and westerly to north-westerly on our own and the French coasts; it was generally fresh or moderate in force but blew a gale at Skudesnaes. Temperature had risen over Norway and Sweden, fallen elsewhere; in the south-east of England the change was considerable. Sky was overcast at the southern Irish and the Scandinavian stations, while snow was falling in the Netherlands and north-east of France, in nearly all other places, however, the sky was clear. Later in the day the barometer began to fall somewhat in the south of Ireland with a southerly breeze, but on our other coasts the mercury still rose and the wind remained north-westerly.

JANY. 30TH. The mercury was falling over France, the extreme south west of England and the south of Ireland; but was rising in all other parts of our area. Readings were high (30·20 – 30·30 ins.), and exceedingly uniform over these Islands, the North Sea and Scandinavia, whence they decreased in a south-easterly direction and reached their lowest point at Toulon (29·84 ins.). Wind was easterly over France, south-easterly at some of our western stations, and northerly over the Channel, but elsewhere light and variable airs prevailed. Temperature had risen over Ireland, but fallen elsewhere, and was rather low over the eastern and central parts of England and in France. Weather was clear at most of our stations, but rain was falling in the east of Ireland, and on the Continent the sky was generally overcast; snow was reported at Lyons.

JANY. 31ST. Pressure had increased over the whole of ~~western~~ Europe, but was giving way slightly in the north of Scandinavia. It remained high (30·5 ins.) and uniform over these Islands, while it was relatively low in the west of Norway and south-east of France. Wind was light on all coasts, from north-east over England and France, from east in the south of Ireland, and from west on our more northern coasts. Temperature had risen over England and on the eastern shores of the North Sea, fallen elsewhere; it was uniform over these Islands and France, varying from 27° at Thurso, and 34° at Biarritz to 43° at Roche's Point. Sky was moderately clear and the weather had been very dry. Snow was falling at Nottingham, Cambridge and Biarritz.

FEBY. 1ST. The mercury was rising slightly at the southern and south-western stations, but elsewhere it was falling, the decrease, however, was very slight except in Sweden where the barometer had fallen briskly. Readings varied from 30·66 ins. at Cork, to 29·69 ins. at Haparanda. Wind was north-westerly over Scandinavia and on our ~~north~~-east coast, but drew into north and north-east in the south; it was light or moderate in force in most places. Temperature had risen very fast at the Scotch stations, as well as in the south of Norway, but fallen a few degrees over Ireland and England, on the Continent a slight rise had occurred generally. The thermometer marked a few degrees below freezing point over Central England. Sky was moderatly clear except in the north and the weather had been very dry. During the day pressure gave way everywhere, but no change occurred in the relative distribution or in the winds.

FEBY. 2ND. Pressure was still decreasing everywhere, briskly in the north of Sweden, where a large and rather deep depression was shown. Readings were highest over Ireland, but were comparatively uniform over the whole of these Islands. Wind was light north-westerly to northerly on our coast and over the North Sea but drew into north-east over the Bay of Biscay; at Christiansund, however, a hard west-south-west gale was blowing. Temperature had fallen in the south of France as well as over Denmark and the west of Norway, risen fast over England; the weather at the southern French stations was several degrees colder than that in the north of Scotland. Sky was generally cloudy with rain in some places. The weather had, however, been dry. In the evening the mercury was still descending everywhere.

Meteorological Office,
116 *Victoria Street, Westminster, S.W.*
ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT FEBY 3RD 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Dirn.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Dirn.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.08	28	N	6	b	29.38	+ .12	24	23	− 2	N	8	o	*	28	24	–
Hernösand ...	29.67	28	NW	4	b	29.82	+ .13	27	24	− 2	NW	4	b	*	*	*	–
Stockholm ...	29.68	29	W	4	b	29.85	− .15	22	20	+ 1	WNW	4	bc	*	*	*	–
Wisby	29.79	32	W	8	bo	29.84	− .24	31	31	0	NNE	9	bc	*	*	*	–
Christiansund ...	30.10	34	NNW	6	c	30.17	+ .29	35	?	− 6	W	3	o	5	39	32	0.28
Skudesnaes ...	30.05	40	NNW	5	b	30.20	+ .01	34	32	+ 1	NNW	4	bc	2	?	34	–
Oxö (Xtiansand)	29.89	40	SW	6	o	30.12	+ .04	30	29	+ 6	N	2	c	2	?	28	–
Skagen (The Skaw)	29.86	40	NW	2	o	30.10	− .02	34	31	+ 3	Z	o	b	0	?	28	–
Fanö	29.99	39	NW	4	o	30.08	− .17	34	33	+ 6	ENE	2	b	*	39	27	0.04
Cuxhaven ...	30.20	34	WSW	1	f	30.05	− .22	37	37	+ 4	N	2	o	*	37	30	0.04
Sumburgh Head	30.43	43	NNW	4	c	30.32	− .08	42	41	− 2	NNW	1	c	1	45	39	0.02
Stornoway	30.45	45	NW	1	o	30.47	+ .03	42	41	− 2	W	1	o	1	47	39	0.02
Thurso	30.36	44	WNW	3	f	30.39	+ .04	44	43	0	WSW	2	o	3	?	42	0.09
Wick	30.36	44	NW	2	f	? 30.41	+ .06	42	41	− 3	NW	1	o	0	46	40	0.04
Nairn	? 30.34	42	Z	0	bc	30.45	+ .02	43	40	+ 2	Z	0	b	1	47	40	–
Aberdeen ...	30.34	43	WNW	1	b	30.49	+ .01	43	40	+ 5	NNW	2	o	1	47	38	–
Leith	30.41	41	WSW	3	b	30.44	.00	32	32	0	W	1	bc	*	47	29	–
Shields	30.40	39	W	2	b	30.42	− .02	42	40	+ 3	N	1	om	2	45	34	–
Scarborough .	30.38	43	NNW	2	o	30.41	.00	43	43	0	N	4	om	4	46	39	0.01
York	30.40	39	W	1	bo	30.45	.00	39	38	+ 2	W	1	c	*	44	32	–
Nottingham ...	30.44	41	NW	2	o	30.46	− .01	40	38	− 1	N	2	c	*	45	35	–
Ardrossan ...	30.42	45	NW	2	b	30.46	.00	31	30	− 6	E	1	bf	0	49	31	–
Greencastle ...	30.47	45	NNW	1	o	30.48	.00	42	41	− 1	NNW	1	o	*	48	30	–
Donaghadee ...	30.47	45	NW	3	b	30.49	.00	40	40	− 2	NW	2	bc	1	47	39	–
Kingstown ...	30.51	43	WNW	4	o	30.61	− .02	43	41	+ 3	WNW	4	om	3	43	39	–
Holyhead ...	30.51	45	WSW	1	o	30.48	+ .02	44	43	− 2	NE	2	og	1	47	43	–
Liverpool (Bidston	30.45	40	W	1	o	30.49	+ .01	37	36	− 1	NNE	1	o	1	42	36	–
Valencia	30.54	44	Z	0	c	30.56	+ .01	44	41	+ .10	N	1	o	2	50	33	–
Roche's Point...	30.53	41	NNW	2	o	30.55	.00	43	41	+ 7	N	2	o	2	43	36	–
Pembroke ...	30.46	43	NNW	1	o	30.48	− .01	45	44	+ 3	N	1	o	0	45	41	–
Portishead ...	30.42	42	NE	1	o	30.45	+ .01	40	38	+ 4	N	1	o	2	47	34	–
Scilly																	
Plymouth ...	30.39	40	N	2	o	30.46	+ .01	40	38	+ 5	Z	0	o	*	43	34	–
Hurst Castle ...	30.39	41	NNW	3	o	30.44	+ .01	40	38	+ 4	N	3	o	2	43	30	0.02
Dover	30.35	40	NE	3	c	30.36	.00	40	39	+ 1	N	4	cgd	2	44	38	0.06
London	30.39	43	NNE	2	gfd	30.40	.00	39	37	+ 2	NNW	1	o	*	43	31	0.01
Oxford	*	*	*	*	*	30.43	− .01	38	37	+ 2	NW	1	m	*	40	36	–
Cambridge ...	30.37	41	NW	1	o	30.40	− .01	40	40	+ 3	N	1	o	*	40	35	0.03
Yarmouth ...	30.34	42	NNW	2	o	30.33	.00	42	41	+ 1	NNW	2	cf	3	43	30	0.02
The Helder ...	*	*	*	*	*	30.20	− .10	42	41	+ 6	NNW	2	o	*	*	*	0.04
Cape Gris Nez	30.14	39	NE	3	o	30.33	?	41	39	+ 2	N	4	m	4	41	37	0.43
Jersey	30.41	43	N	2	o	30.44	+ .01	44	41	+ 4	NE	2	o	2	44	39	0.02
Brest	30.41	43	N	2	o	30.48	+ .05	43	41	+ 6	NNE	2	o	2	43	36	–
L'Orient	30.43	41	N	2	o	30.43	− .01	41	39	+ 7	NE	3	o	3	43	32	–
Rochefort ...	30.33	43	N	4	bc	30.35	− .01	37	37	+ 3	NNE	4	bc	3	48	30	–
Biarritz	30.32	46	ENE	1	o	30.34	+ .02	36	34	+ 4	SSE	1	o	3	?	30	–
Corunna	*	*	*	*	*	30.28		45	*		NE	?	m	4	*	*	*
Brussels	*	*	*	*	*	30.27	− .03	37	37	+ 1	NNW	3	bf	*	41	31	–
Charleville ...	*	*	*	*	*	30.18	?	30	*	− 5	NNE	1	o	*	*	*	*
Paris	30.28	40	NE	3	o	30.38	+ .02	35	34	− 1	NW	2	f	*	*	*	–
Lyons	*	*	*	*	*	30.23	− .06	37	*	− 1	N	2	b	*	*	*	*
Toulon	29.90	39	NW	4	bc	30.00	− .05	39	36	+ 3	ENE	4	bc	4	45	36	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.07	40	39	SW	2	rf	1	Valencia	30.53	49	44	Z	0	bm	1
Thurso	30.36			WNW	3	rf	3	Scilly							
Scarborough ...	30.38	45	42	NNW	2	o	2	London	30.38	43	42	N	2	om	*
Greencastle ...	30.48	48	45	NNW	1	o	*	Rochefort ...	30.35	29	27	NNE	4	bc	3
Holyhead	30.48	45	43	NNW	2	o	1								

No change since the morning.

EXPLANATION OF COLUMNS.

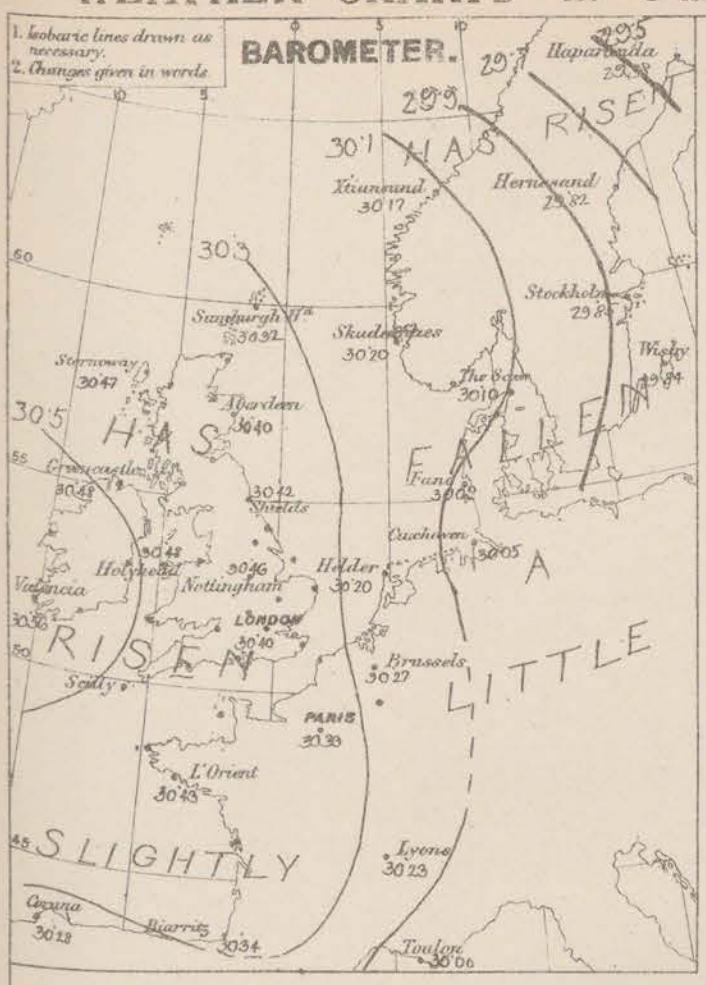
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

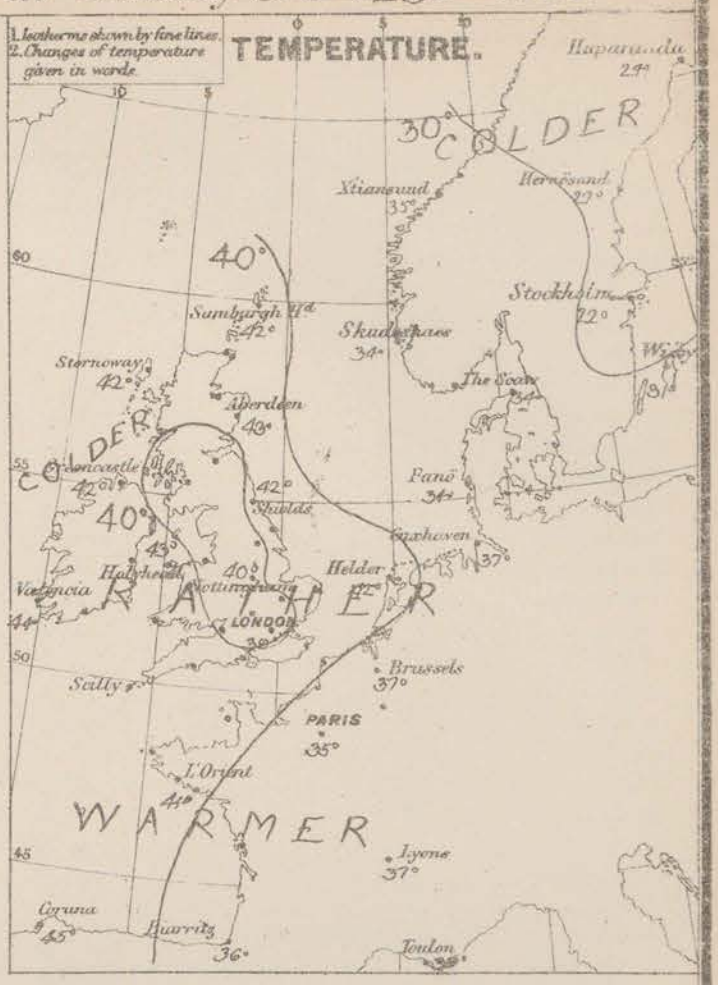
* AN ASTERISK is inserted in all places for which information is not usually received.

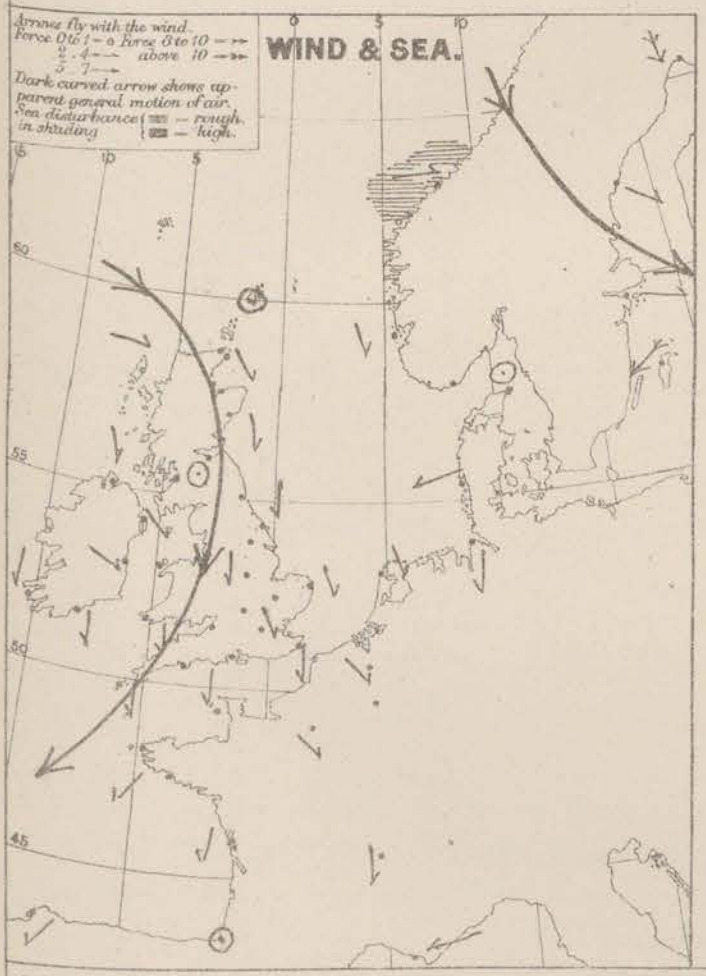
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

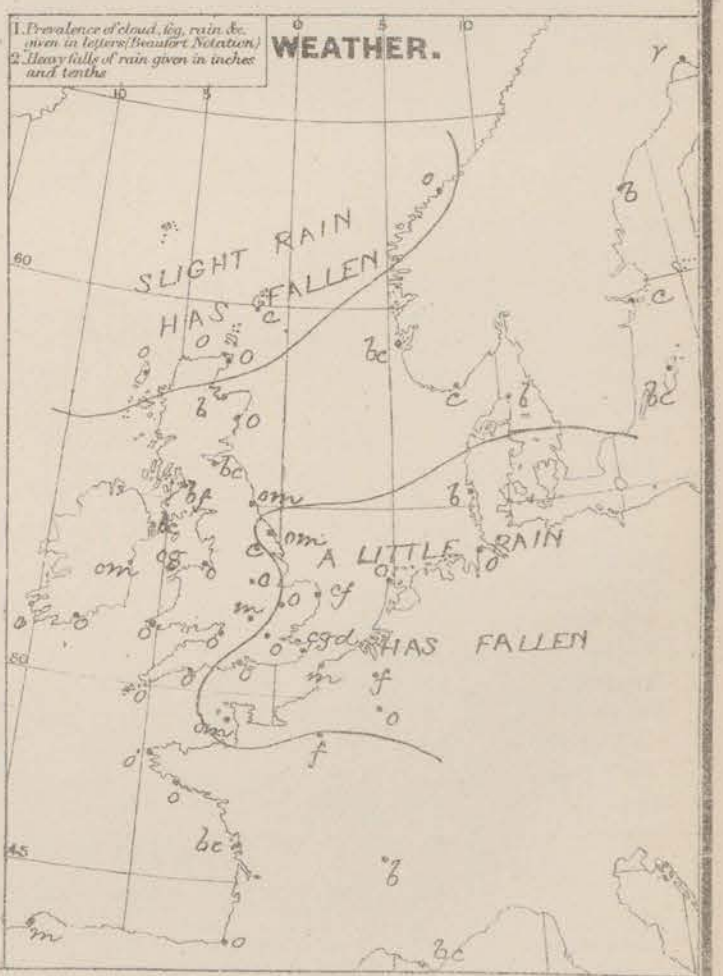
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Sunday 3rd Feby 1878.









REMARKS. Weather is very cloudy over nearly the whole of our Islands — especially in the south and southeast. In some parts of Scotland, however, the sky is clear. Drizzling rain is falling at Dover, and mist and fog are reported at our eastern stations generally. Rain fell during yesterday at Christiansund, as well as in the extreme north of Scotland and on the south and east coasts, but the amount was very small except at Christiansund. Temperature is inclined to rise a little on all our coasts and the Irish coasts, most at the southwestern stations. Over our Islands the readings vary from about 40° to 45° — except at Leith and Aberdeen, where they fell. In the northern parts of Scandinavia (where the wind has shifted to the N.) the thermometer has fallen and is as low as 24° to 27° in the shade. Wind is light from the N. on almost all our coasts, and from NNE in the Bay of Biscay. At Haparanda (Gulf of Bothnia) and Wisby N. gales are reported. Sea is rather rough at Christiansund, moderate at Scarborough, slight or smooth elsewhere.

Barometrical Indications. Barometrical readings vary from about 30.55 ins. over Ireland to 29.38 ins. at Haparanda and 30.00 ins. at Toulon. Gradients are slight over the United Kingdom and North Sea, but steep over the north of Scandinavia, so there seems to be a depression passing in an E. or SE. direction over Russia. In the north the barometer is now rising but on our south west coasts it has begun to fall a little in the night, and over North Germany it has gone down about a quarter of an inch since yesterday.

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R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEB^Y 4TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 A.M. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 A.M. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29·82	9	Z	0	b	29·80	+ ·42	7	7	− 17	S	2	o	*	25	1	–
Hernösand ...	30·04	14	WNW	2	b	29·88	+ ·06	29	28	+ 2	SW	2	c	*	*	*	–
Stockholm ...	30·02	22	W	4	b	30·03	+ ·18	22	21	o	NW	2	b	*	*	*	–
Wisby	29·99	32	N	6	c	30·06	+ ·22	32	31	+ 1	NNW	4	bc	*	*	*	–
Christiansund ...	29·74	37	SW	6	o	29·84	− ·33	41	39	+ 6	WSW	9	r	5	41	34	0·12
Skudesnaes ...	30·28	34	NNW	2	b	30·26	+ ·06	37	37	+ 3	E	1	fg	2	?	32	–
Oxö (Xtiansand)	30·19	30	N	2	b	30·23	+ ·03	31	28	+ 1	NW	2	c	1	36	25	–
Skagen (The Skaw)	30·24	31	Z	0	b	30·23	+ ·11	33	31	− 1	Z	0	c	0	36	27	–
Fanö	30·32	32	WSW	–	b	30·32	+ ·24	36	36	+ 2	W	4	bc	*	39	28	–
Cuxhaven ...	30·33	33	SW	1	c	30·41	+ ·36	33	33	− 4	WSW	2	f	*	?	30	–
Sumburgh Head	30·31	45	W	3	o	30·15	− ·17	46	44	+ 4	W	4	o	4	46	39	–
Stornoway	30·38	44	WSW	1	og	30·29	− ·18	45	44	+ 3	SW	1	o	2	45	39	–
Thurso	30·38	43	W	2	o	30·27	− ·12	43	41	− 1	WSW	2	bc	3	46	40	–
Wick	30·40	43	NW	1	o	30·31	− ·10	40	39	− 2	S	2	bc	0	44	39	–
Nairn	30·44	42	Z	0	c	30·35	− ·10	44	42	+ 1	W	1	c	1	44	41	–
Aberdeen ...	30·42	43	NW	1	o	30·39	− ·01	39	37	− 4	WSW	1	o	1	45	38	–
Leith	30·47	47	W	2	o	30·44	·00	41	39	+ 9	W	1	om	*	?	29	–
Shields	30·48	43	Z	0	om	30·57	+ ·09	38	37	− 4	W	2	fg	2	47	37	–
Scarborough .	30·43	44	N	3	o	30·52	+ ·11	41	38	− 2	NW	1	fg	2	44	41	–
York	30·47	43	W	1	o	30·54	+ ·09	38	37	− 1	W	1	o	*	43	36	–
Nottingham ...	30·49	43	N	2	o	30·56	+ ·10	39	38	− 1	NNE	? 1	o	*	45	39	–
Ardrossan ...	30·48	40	Z	0	g	30·47	+ ·01	43	41	+ 12	SW	2	o	2	45	31	–
Greencastle ...	30·47	43	S	1	o	30·46	− ·02	41	40	− 1	SSW	2	o	*	46	39	–
Donaghadee ...	30·57	43	NE	1	o	30·57	+ ·02	40	39	o	W	2	c	3	45	39	–
Kingstown ...	30·53	44	NW	3	o	30·54	+ ·03	42	40	− 1	WNW	1	om	1	44	40	–
Holyhead ...	30·49	43	NE	1	o	30·57	+ ·03	43	41	o	SW	2	om	1	45	41	–
Liverpool (Bidston	30·57	39	NW	1	o	30·54	+ ·05	39	38	+ 2	NW	1	o	1	39	37	–
Valencia	30·55	45	SE	1	o	30·57	− ·05	43	41	− 1	SE	3	o	3	47	42	–
Roche's Point...	30·56	42	N	2	o	30·52	− ·03	41	? 41	− 2	N	1	o	2	45	40	–
Pembroke ...	30·50	43	NNE	1	o	30·54	+ ·06	41	40	− 4	E	1	om	1	46	41	–
Portishead ...	30·46	42	NNE	2	o	30·52	+ ·07	39	38	− 1	ENE	2	o	2	44	36	–
Scilly																	
Plymouth ...	30·49	42	Z	0	o	30·50	+ ·04	41	40	+ 1	Z	0	o	*	49	39	–
Hurst Castle ...	30·43	43	N	2	om	30·57	+ ·07	41	41	+ 1	NNE	2	md	2	44	37	0·01
Dover	30·40	41	N	3	o	30·57	+ ·15	40	39	o	NNE	3	fd	1	44	39	0·04
London	30·44	44	NNE	3	o	30·57	+ ·11	40	40	+ 1	NNE	1	gfd	*	44	39	0·02
Oxford	*	*	*	*	*	30·54	+ ·11	38	38	o	Z	0	f	*	43	38	0·01
Cambridge ...	30·44	42	NW	1	d	30·55	+ ·15	39	39	− 1	NNE	1	d	*	44	39	0·02
Yarmouth ...	30·39	41	NNW	2	bmd	30·52	+ ·19	38	38	− 4	Z	0	f	2	43	37	0·02
The Helder ...	*	*	*	*	*	30·45	+ ·25	39	38	− 3	N	1	o	*	*	*	–
Cape Gris Nez	30·38	41	N	4	f	30·57	+ ·18	39	37	− 2	NE	1	o	0	43	39	–
Jersey	30·47	43	NNE	2	o	30·52	+ ·08	43	42	− 1	NE	2	om	2	44	42	–
Brest	30·46	45	NE	2	m	30·47	− ·01	44	39	− 2	E	2	m	3	45	39	–
L'Orient	30·47	43	NE	2	c	30·49	+ ·06	41	39	o	NE	3	o	3	43	37	–
Rochefort ...	30·36	46	NE	3	o	30·39	+ ·04	41	41	+ 4	NE	3	o	3	50	36	–
Biarritz	30·36	45	NNW	3	b	30·37	+ ·03	34	32	− 2	ENE	3	b	3	45	30	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30·49	+ ·22	36	35	− 1	ENE	1	o	*	41	36	0·04
Charleville ...	*	*	*	*	*	? 30·40	+ ·22	36	*	+ 6	NE	1	o	*	*	*	*
Paris	30·35	41	NW	3	f	30·47	+ ·14	39	35	+ 4	ENE	3	o	*	*	*	–
Lyons	*	*	*	*	*	30·36	+ ·13	39	*	+ 2	N	2	m	*	*	*	*
Toulon	30·11	41	SW	3	m	30·23	+ ·23	39	36	o	Z	0	m	3	46	37	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet	Wind.		Wea.	Sea.
Skudesnaes ...	30·26	36	33	NNW	4	bc	2	Valencia							
Thurso								Scilly							
Scarborough ..								London							*
Greencastle ...							*	Rochefort ...	30·34	45	43	NE	4	o	3
Holyhead															

EXPLANATION OF COLUMNS.

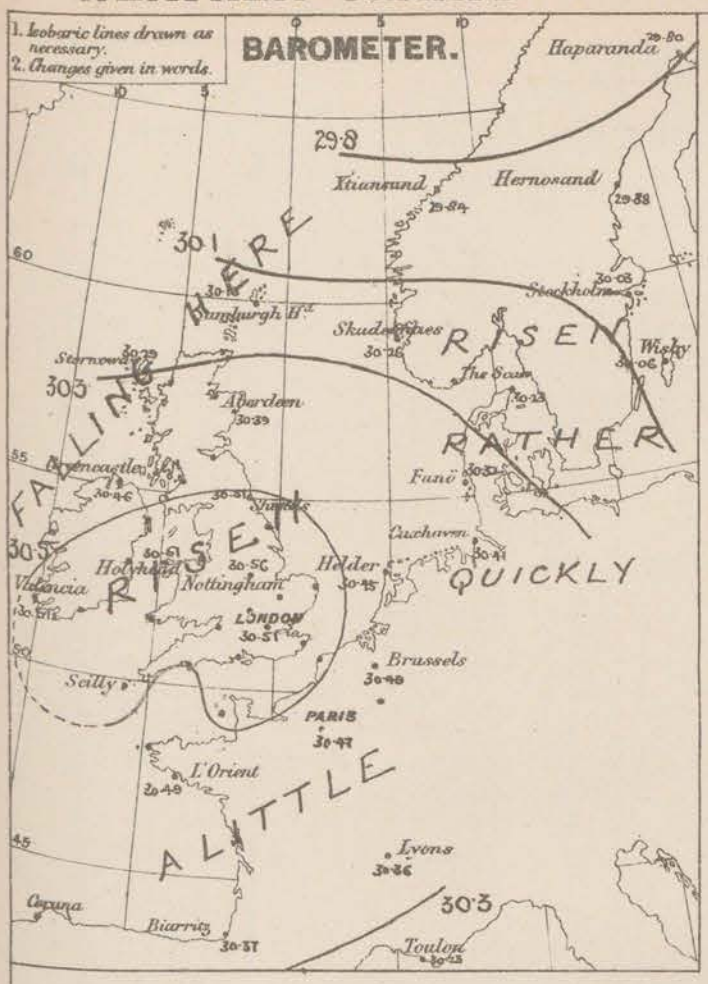
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

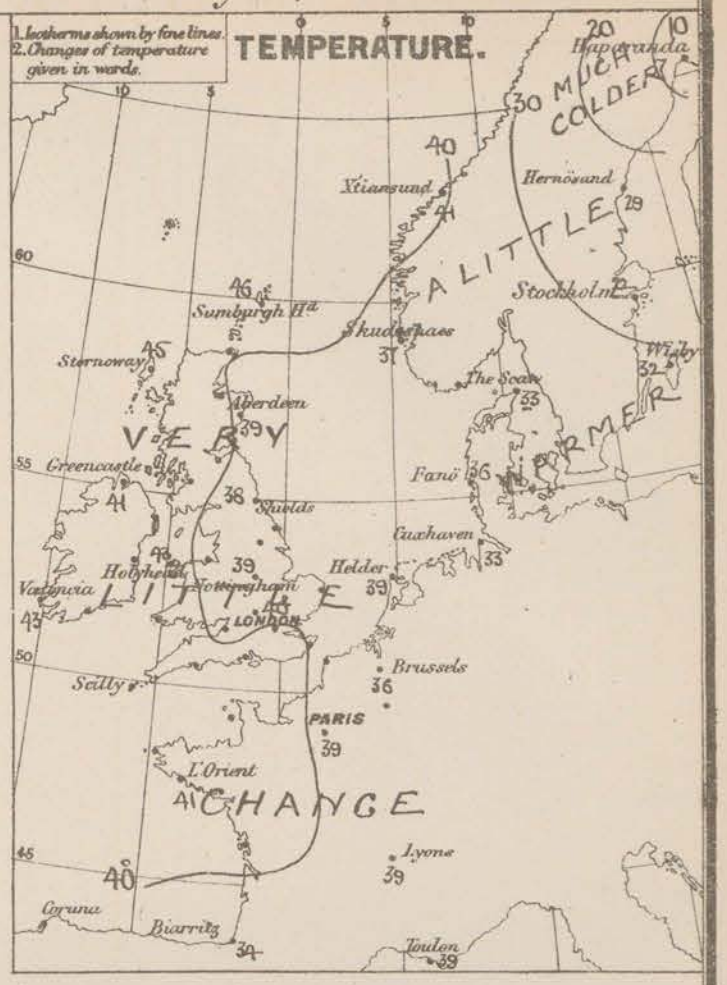
* AN ASTERISK is inserted in all places for which information is not usually received.

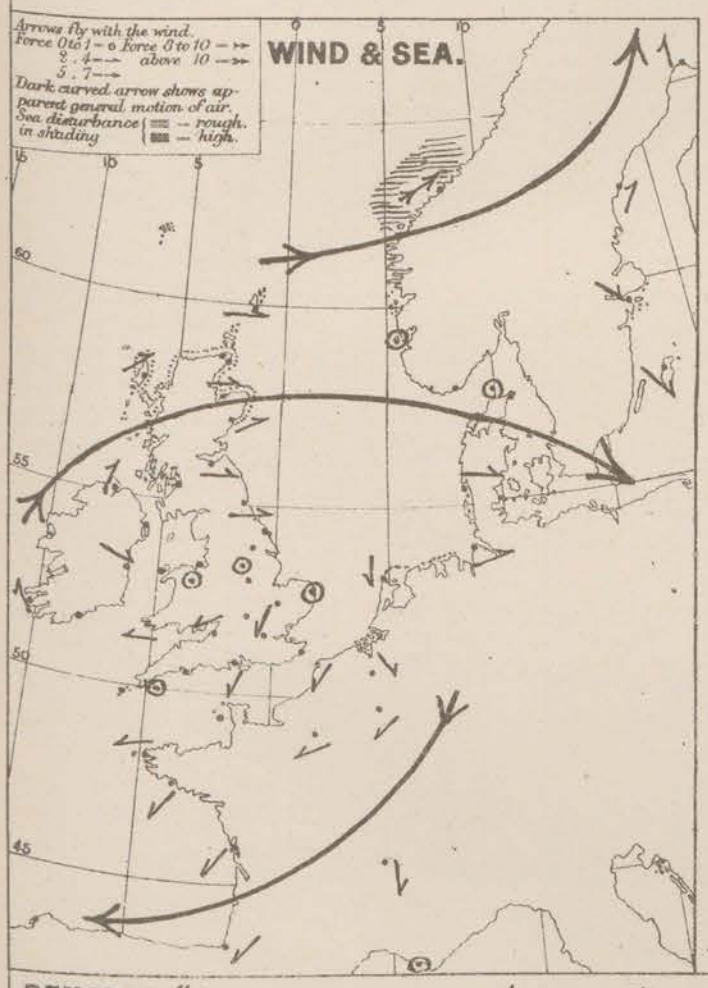
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. Paris time in France.

N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

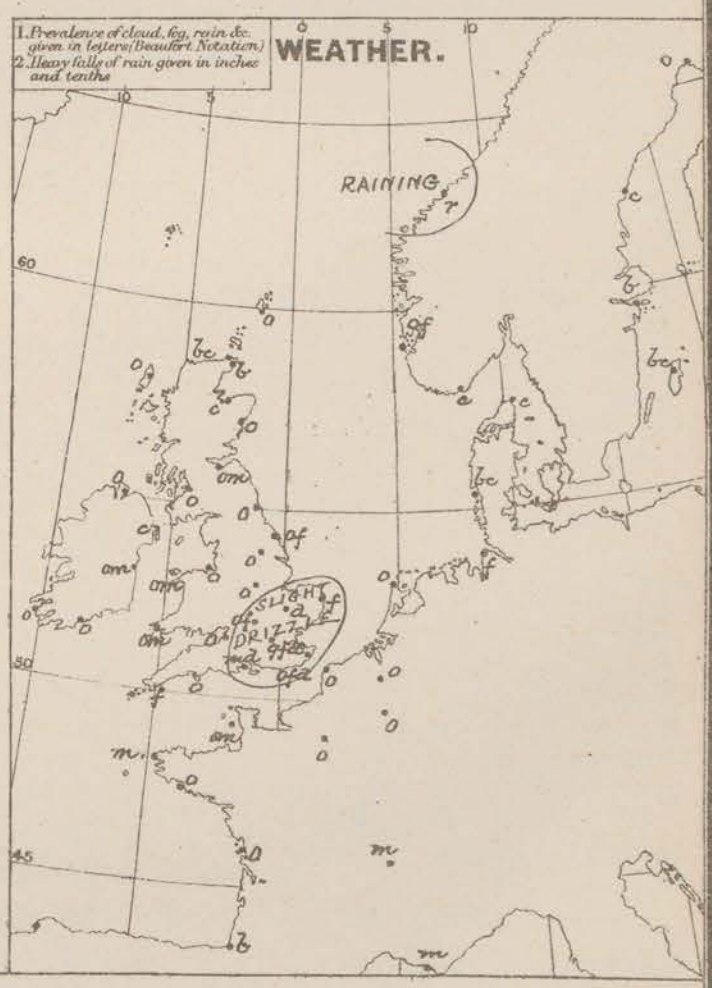
WEATHER CHARTS for 8 a.m. on Monday 4 Feby 1878.







Hatched line is drawn round coast, as the signals are stick flying.



REMARKS. Weather remains quiet over the United Kingdom, but is very dull and gloomy, except in the far N, and rainy in the S and SE. Thick fogs are reported in several places – most in the South of England. Temperature is changing little and irregularly. It now varies from 40° to 45° almost all over the United Kingdom, but is as low as 7° F at Haparanda, 29° at Hernösand, and 22° at Stockholm. Over France it varies from 36° to 39°. Wind is W. in the N, and NE. to E. in the south, while calms and variables are prevail at our Central stations, and light SE. breezes in the W. of Ireland. In all parts of our Islands and France the wind is light, but a strong WSW gale is reported at Hernösand. Sea is smooth, except in the far N. Barometrical Indications – An anticyclone, in whose centre readings are about 30·55 ins, lies over England, and the S. parts of Ireland. Moderate gradients for W. winds prevail in the N, and for E. winds in the S. A large depression is advancing towards the W. of Norway from the Atlantic, and there appears to be some further disturbance to the NW. of Scotland. Warnings. The extreme N. and W. parts of Scotland were warned last evening

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Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEB^Y 5TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29·13	32	S	2	S	29·34	− ·46	20	19	+ 13	N	2	b	*	34	7	0·35
Hernösand ...	29·53	39	SN	2	bc	29·60	− ·28	40	37	+ 11	NSN	2	o	*	*	*	–
Stockholm ...	29·82	31	SSN	7	bc	29·72	− ·31	37	35	+ 15	NSN	6	o	*	*	*	–
Wisby	30·00	34	N	6	o	29·84	− ·22	36	35	+ 4	N	4	c	*	*	*	–
Christiansund ...	29·80	44	NSN	9	r	29·69	− ·15	46	45	+ 5	NSN	9	r	8	48	? 39	–
Skudesnaes ...	30·22	42	N	5	o	30·17	− ·09	43	42	+ 6	N	6	gf	4	43	37	–
Oxö (Christiansand)	30·14	39	NSN	4	o	30·10	− ·13	45	41	+ 14	N	4	c	3	?	?	–
Skagen (The Skaw)	30·11	39	NNW	6	bc	30·08	− ·17	39	38	+ 6	NNN	5	o	5	39	30	–
Fanö	30·36	37	N	4	b	? 30·34	+ ·02	39	39	+ 3	N	4	o	*	41	36	–
Cuxhaven ...	30·42	40	NW	3	o	30·45	+ ·04	40	39	+ 7	NNN	3	o	*	?	32	–
Sumburgh Head	30·16	46	N	6	o	30·12	− ·03	46	44	0	N	6	c	6	48	41	–
Stornoway	30·29	45	SW	3	ow	30·29	·00	46	45	+ 1	SN	5	c	5	48	43	0·02
Thurso	30·29	44	SSN	2	b	30·26	− ·01	46	44	+ 3	SN	3	c	3	52	41	–
Wick	30·30	45	NW	3	b	30·28	− ·03	42	41	+ 2	SN	2	b	1	50	39	–
Nairn	30·35	45	N	1	c	30·34	− ·01	43	41	− 1	N	1	bc	1	48	42	–
Aberdeen ...	30·38	41	SN	1	b	30·38	− ·01	35	34	− 4	NSN	1	b	1	47	34	–
Leith	30·46	43	N	2	o	30·45	+ ·01	40	38	− 1	N	3	o	*	44	38	–
Shields	30·52	41	N	3	gf	30·53	+ ·02	39	37	+ 1	NSN	2	gf	2	43	38	–
Scarborough .	30·53	41	N	1	o	30·55	+ ·03	39	38	− 2	NSN	1	o	1	44	39	–
York	30·56	41	N	1	o	30·56	+ ·02	38	37	0	SN	1	o	*	43	37	–
Nottingham ...	30·59	41	Z	0	o	30·61	+ ·05	39	38	0	Z	0	gf	*	44	39	–
Ardrossan ...	30·48	45	SN	3	o	30·46	− ·01	44	42	+ 1	SSN	3	o	3	45	42	–
Greencastle ...	30·47	42	S	1	o	30·43	− ·03	40	?	− 1	NSN	1	o	*	47	38	–
Donaghadee ...	30·54	40	SN	1	c	? 30·54	·00	39	38	− 1	NSN	2	c	1	43	38	–
Kingstown ...	30·55	43	S	1	o	30·49	− ·05	43	39	+ 1	S	1	o	0	44	41	–
Holyhead ...	30·56	43	Z	0	og	30·56	+ ·05	41	39	− 2	SSN	1	f	0	44	40	–
Liverpool (Bidston)	30·57	41	NN	1	o	30·58	+ ·04	38	36	− 1	SSN	1	o	1	42	37	–
Valencia	30·57	44	ESE	2	o	30·46	− ·05	44	42	+ 1	Z	0	o	1	46	42	–
Roche's Point...	30·55	42	E	3	o	30·50	− ·02	44	43	+ 3	SE	3	o	3	45	41	–
Pembroke ...	30·56	42	E	1	ow	30·55	+ ·01	43	43	+ 2	ESE	1	o	2	43	41	–
Portishead ...	30·58	40	ENE	1	o	30·57	+ ·05	38	37	− 1	ENE	2	o	2	42	36	–
Scilly																	
Plymouth ...	30·54	42	NE	1	o	30·55	+ ·05	40	38	− 1	NE	2	o	*	45	40	–
Hurst Castle ...	30·55	42	ESE	2	or	30·59	+ ·06	40	39	− 1	E	3	o	2	42	38	–
Dover	30·58	40	ENE	0	b	30·62	+ ·11	39	37	− 1	E	2	c	1	42	37	0·05
London	30·58	41	NNE	1	og	30·59	+ ·08	38	37	− 2	NE	1	ogf	*	44	37	0·01
Oxford	*	*	*	*	*	30·61	+ ·07	38	36	0	Z	0	gf	*	43	38	–
Cambridge ...	30·59	41	ENE	1	o	30·63	+ ·08	38	38	− 1	SE	1	o	*	45	38	–
Yarmouth ...	30·56	42	Z	0	cw	30·59	+ ·07	40	39	+ 2	NNN	1	f	2	40	36	0·01
The Helder.. ...	*	*	*	*	*	30·53	+ ·08	41	38	+ 2	NNN	2	o	*	*	*	–
Cape Gris Nez	30·57	37	ENE	1	o	30·60	+ ·09	36	34	− 3	ESE	2	o	1	41	34	–
Jersey	30·54	41	ENE	2	o	30·57	+ ·05	35	34	− 8	ENE	3	ow	3	43	35	–
Brest	30·50	45	E	1	m	? 30·49	+ ·02	39	36	− 2	S	1	o	3	?	37	–
L'Orient	30·50	43	ENE	3	o	30·52	+ ·03	36	34	− 5	E	3	o	3	43	32	–
Rochefort ...	30·43	45	ENE	3	o	30·42	+ ·03	34	32	− 7	ENE	4	b	3	46	34	–
Biarritz	30·43	48	ESE	1	o	30·39	+ ·02	37	34	+ 3	ESE	2	b	3	48	30	–
Coruna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	? 30·57	+ ·08	35	33	− 1	ESE	2	c	*	39	34	–
Charleville ...	*	*	*	*	*	? 30·53	+ ·13	31	*	− 5	ENE	3	o	*	*	*	*
Paris	30·52	39	ENE	4	o	30·56	+ ·09	32	30	− 7	ENE	4	bc	*	*	*	–
Lyons	*	*	*	*	*	30·48	+ ·12	34	*	− 5	N	2	m	*	*	*	*
Toulon	30·32	45	SN	1	m	30·44	+ ·21	41	39	+ 2	NE	3	b	2	52	37	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·23	42	41	N	6	o	3
Thurso	30·30	49	47	NSN	2	c	3
Scarborough ...	30·53	43	40	N	1	of	2
Greencastle ...	30·46	43	41	S	1	o	*
Holyhead	30·56	43	41	SSN	2	ow	1

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Valencia	30·57	45	42	SE	3	o	4
Scilly							
London	30·55	41	40	Z	0	ofg	*
Rochefort ...	30·40	43	41	ENE	3	o	3

No important change.

EXPLANATION OF COLUMNS.

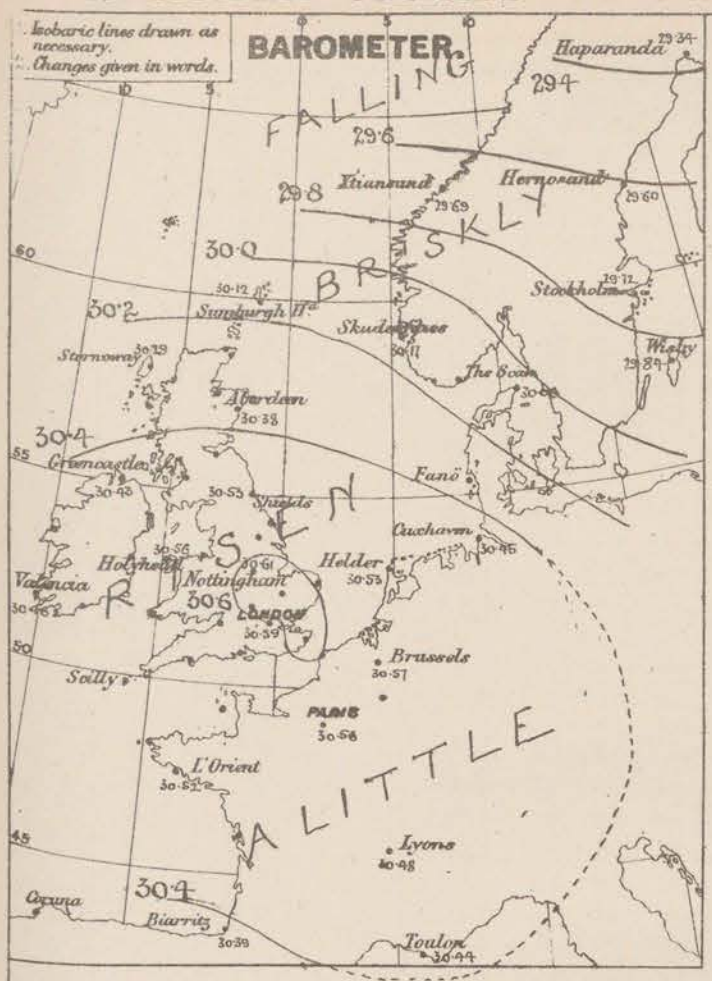
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

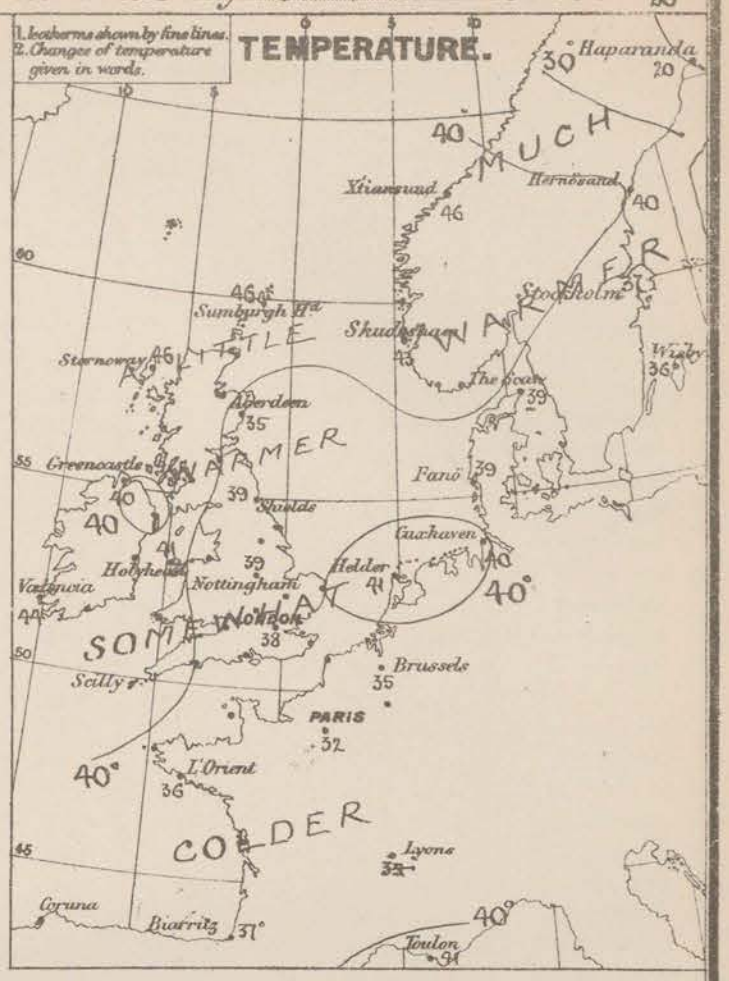
* AN ASTERISK is inserted in all places for which information is not usually received.

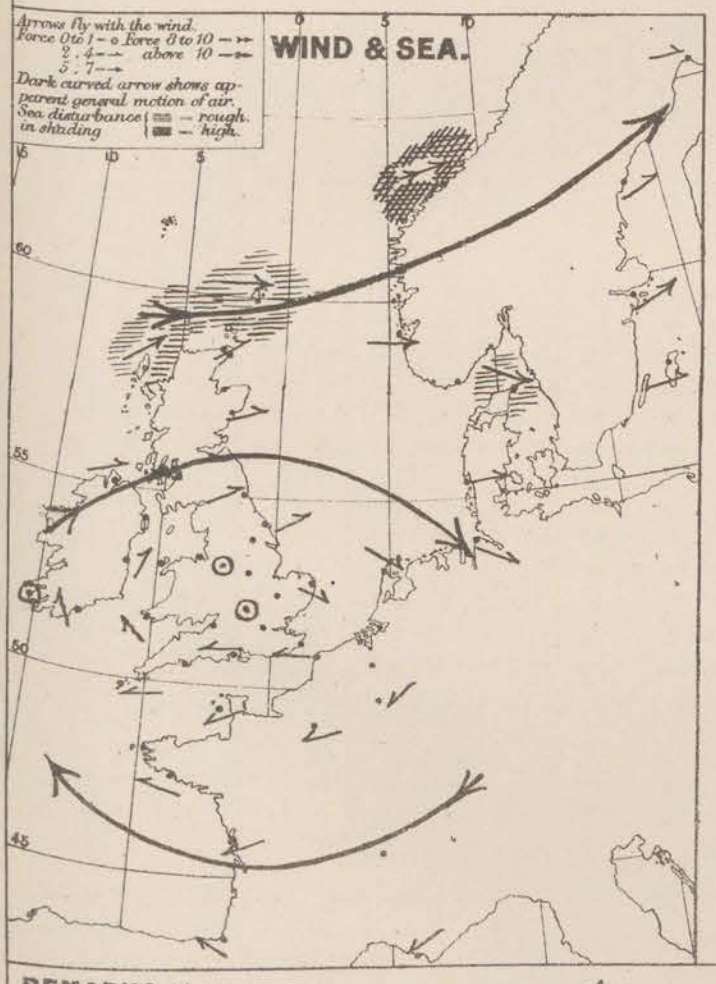
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m (Paris time) in France.

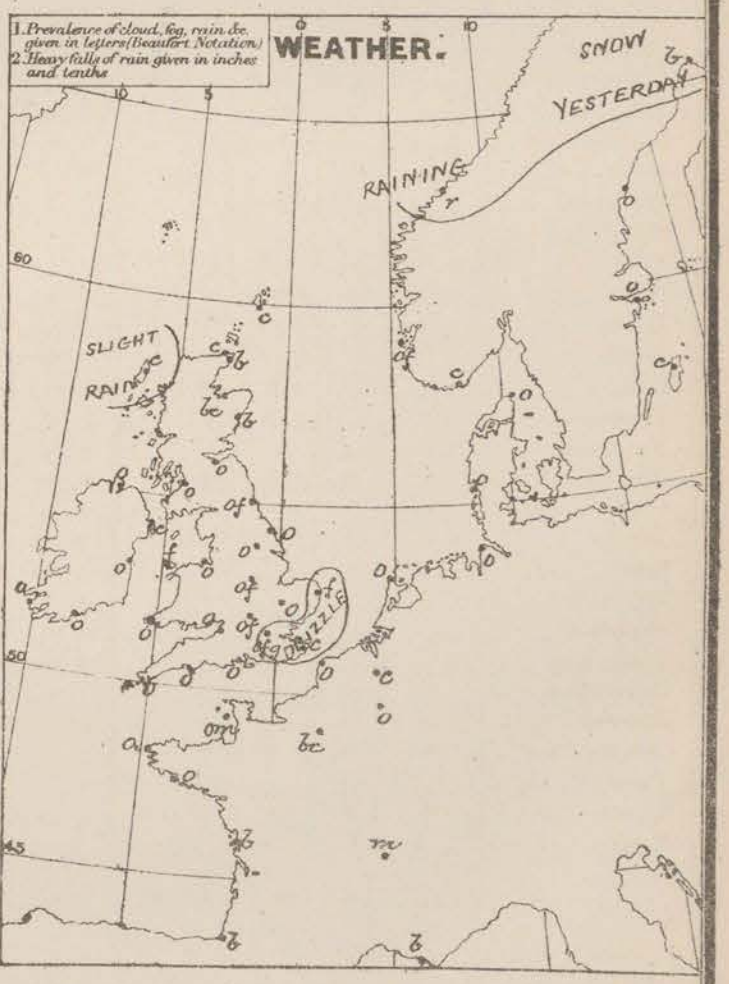
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Yesterday 5th Feby 1878.









REMARKS. Weather is an unsettled condition in the extreme N, but remains very quiet dull and foggy over Ireland, England and the N. of France. A little rain has fallen in the SE, but none elsewhere. Temperature has risen a few degrees in Scotland, and several degrees to the E^ward of the North Sea, while in France it has fallen. Over England and Ireland no important change is reported. The thermometer is now as high as 46° at Stornoway, Sumburgh Hd and Hernösand, while it is 38° over the SE. of England, and 32° at Paris. Wind is very light from E to NE at the S^rn stations, from SE to SW in Ireland, and from WSW in Scotland. Over Central England calms prevail. In the Hebrides and Shetlands strong SW. to W^ly breezes are reported, and at Hernösand, the WSW. gale still holds. Sea is smooth except in the far N.

Barometrical Indications — We have still an anticyclone over England, the Channel, the Netherlands, and N. of France, the highest reading reported being 30.63 in. at Cambridge. In the N rather steep gradients for W^ly winds have been formed, and as the barometer still falls in the far N, the gradients are likely to become steeper. Over England the barometer rises very slowly.

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Meteorological Office,
116, Victoria Street, Westminster. S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEB.Y 6TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.47	16	Z	0	b	29.63	+ .29	8	7	− 12	Z	0	bc	*	21	5	—
Hernösand ...	29.66	43	NW	2	c	29.85	+ .25	41	38	+ 1	WSW	2	c	*	*	*	—
Stockholm ...	29.71	43	W	4	b	29.94	+ .22	37	35	0	WNW	2	bc	*	*	*	—
Wisby	29.83	38	WSW	4	b	29.99	+ .15	38	36	+ 2	NW	4	b	*	*	*	—
Christiansund ...																	
Skudesnaes ...	30.23	43	W	4	0	30.31	+ .14	42	42	− 1	W	2	f	3	?	?	—
Oxö (Xtiansand)	30.16	43	WNW	6	0	30.24	+ .14	42	40	− 3	SW	4	c	2	45	39	—
Skagen (The Skaw)	30.09	40	W	7	0	30.17	+ .11	40	39	+ 1	WNW	4	bc	5	43	36	—
Fanö	30.34	39	W	6	b	30.37	+ .03	39	38	0	W	4	b	*	41	37	—
Cuxhaven ...	30.47	41	W	4	0	30.48	+ .03	39	39	− 1	WNW	3	0	*	41	36	—
Sumburgh Head	30.18	46	W	6	c	30.24	+ .12	44	41	− 2	W	4	c	5	48	41	—
Stornoway	30.30	47	WSW	4	r	30.24	− .05	44	42	− 2	SW	4	0	5	48	42	0.01
Thurso	30.30	45	WSW	3	c	30.27	+ .01	35	34	− 11	S	1	bm	2	53	34	—
Wick	30.32	39	WSW	2	bc	30.30	+ .02	37	35	− 5	SW	2	b	0	49	?	—
Nairn	30.38	46	W	3	b	30.34	.00	42	39	− 1	W	1	b	1	47	42	—
Aberdeen ...	30.39	41	SW	1	b	30.36	− .02	32	31	− 3	SW	1	bm	0	46	31	—
Leith	30.47	42	W	3	0	30.42	− .03	42	41	+ 2	WSW	2	c	*	46	39	—
Shields	30.52	43	WNW	2	om	30.52	− .01	38	36	− 1	WSW	2	cm	1	44	37	—
Scarborough ..	30.53	41	WSW	1	0	30.54	− .01	36	34	− 3	SW	1	f	1	42	36	—
York	30.56	40	SW	1	0	30.56	.00	35	33	− 3	S	1	0	*	43	34	—
Nottingham ...	30.60	38	Z	0	0	30.59	− .02	34	33	− 5	SSW	1	0	*	43	34	—
Ardrossan ...	30.47	45	SW	3	0	30.42	− .04	44	43	0	SSW	2	om	3	46	44	—
Greencastle ...	30.43	42	S	1	0	30.36	− .07	41	38	+ 1	ESE	1	0	*	46	40	—
Donaghadee ...	30.52	41	SW	2	c	30.46	− .05	40	38	+ 1	SSW	2	c	1	43	38	—
Kingstown ...	30.52	44	S	3	0	?	?	41	38	− 2	S	2	0	2	44	40	—
Holyhead ...	30.54	40	SSW	1	b	30.50	− .06	38	37	− 3	SSW	2	f	1	43	37	—
Liverpool (Bidston)	30.57	39	S	1	0	30.52	− .06	32	31	− 6	SE	2	bc	2	42	32	—
Valencia	30.43	46	SE	3	0	30.37	− .09	46	44	+ 2	SE	5	c	6	49	43	0.01
Roche's Point...	30.49	45	SSE	4	r	30.44	− .06	45	43	+ 1	S	4	0	4	47	41	0.15
Pembroke ...	30.56	39	ESE	2	om	30.57	− .04	40	39	− 3	SSE	1	0	2	44	37	—
Portishead ...	30.56	36	NNE	3	0	30.55	− .02	33	32	− 5	E	2	0	2	43	191	—
Scilly																	
Plymouth ...	30.53	39	ENE	3	0	30.50	− .05	40	38	0	ESE	4	0	*	44	37	—
Hurst Castle ...	30.57	39	E	3	0	30.54	− .03	40	39	0	ESE	3	bc	3	41	39	—
Dover	30.61	38	E	3	bc	30.60	− .02	37	36	− 2	ESE	3	c	2	40	36	—
London	30.61	39	ENE	1	og	30.59	.00	34	33	− 4	SE	1	0	*	40	34	—
Oxford	*	*	*	*	*	30.57	− .04	33	32	− 5	E	1	m	*	38	33	—
Cambridge ...	30.59	38	S	1	0	30.58	− .05	36	35	− 2	S	1	0	*	43	35	—
Yarmouth ...	30.59	40	NNW	1	f	30.60	+ .01	36	35	− 4	SW	1	bc	1	41	35	—
The Helder. ...	*	*	*	*	*	30.52	+ .01	40	38	− 1	NNW	1	c	*	*	*	—
Cape Gris Nez	30.60	36	ENE	2	0	30.59	− .01	34	32	− 2	E	2	b	1	37	32	—
Jersey	30.53	35	ENE	3	b	?	?	36	35	+ 1	ENE	1	cm	1	40	33	—
Brest	30.47	?	NNE	2	m	30.46	− .03	39	36	0	E	2	0	3	43	34	—
L'Orient	30.41	39	E	3	0	30.39	− .13	36	34	0	E	3	m	3	45	32	—
Rochefort ...	30.42	46	SE	3	0	?	?	34	34	0	SE	2	m	3	45	30	—
Biarritz	30.38	45	ENE	3	b	30.45	+ .06	43	39	+ 6	SSE	2	b	3	52	34	—
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.61	+ .04	37	35	+ 2	E	2	0	*	39	?	—
Charleville ...	*	*	*	*	*	? 30.32	+ .01	31	*	0	E	3	0	*	*	*	*
Paris	30.56	32	ENE	4	0	30.56	.00	30	29	− 2	E	2	f	*	*	*	—
Lyons	*	*	*	*	*	30.55	+ .07	35	*	+ 1	NE	4	f	*	*	*	*
Toulon	30.49	?	Z	0	m	30.44	.00	43	39	+ 2	Z	0	b	3	54	41	—

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.21	44	42	W	6	0	4
Thurso	30.28	51	48	WSW	3	bc	3
Scarborough ...	30.53	42	40	WSW	2	f	2
Greencastle ...	30.42	45	41	W	2	c	*
Holyhead	30.56	42	41	SSW	1	f	0

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Valencia	30.45	47	44	SE	2	om	3
Scilly							
London	30.61	40	38	ENE	1	ogm	*
Rochefort ...	30.42	43	41	ESE	3	0	3

The barometer has begun to fall again at Valentia since Noon, but the changes at present are very slight.

EXPLANATION OF COLUMNS.

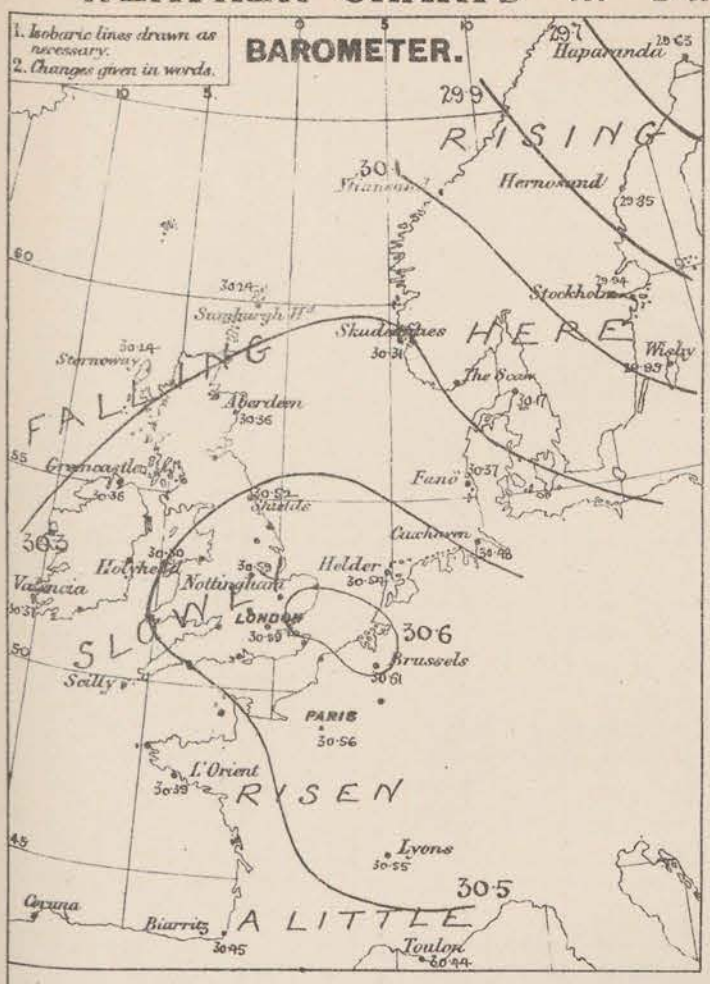
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

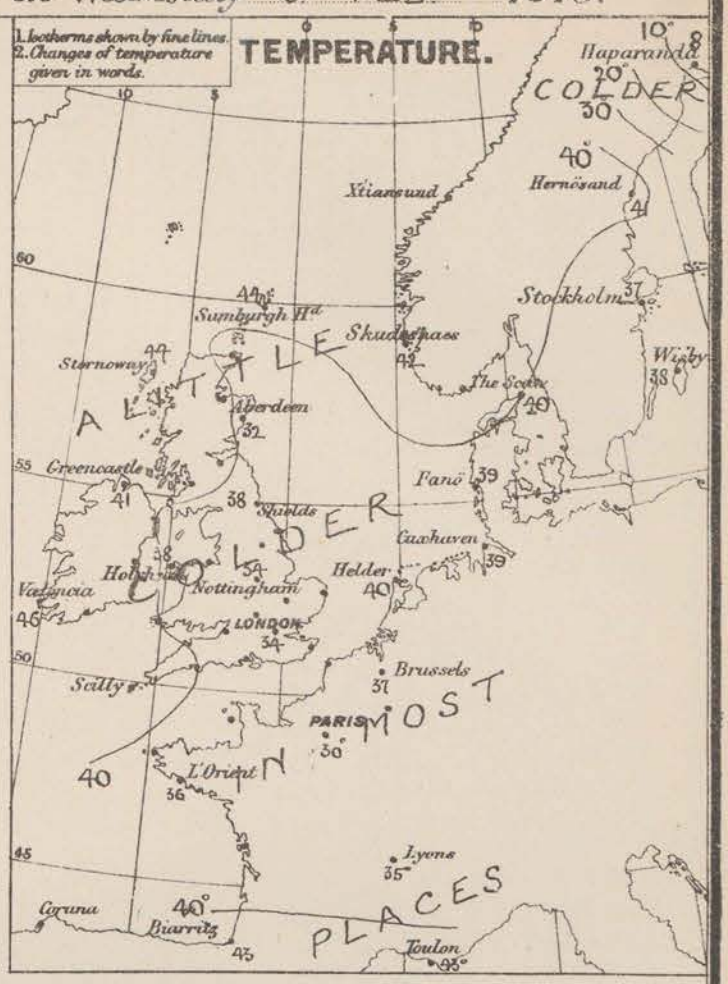
* AN ASTERISK is inserted in all places for which information is not usually received.

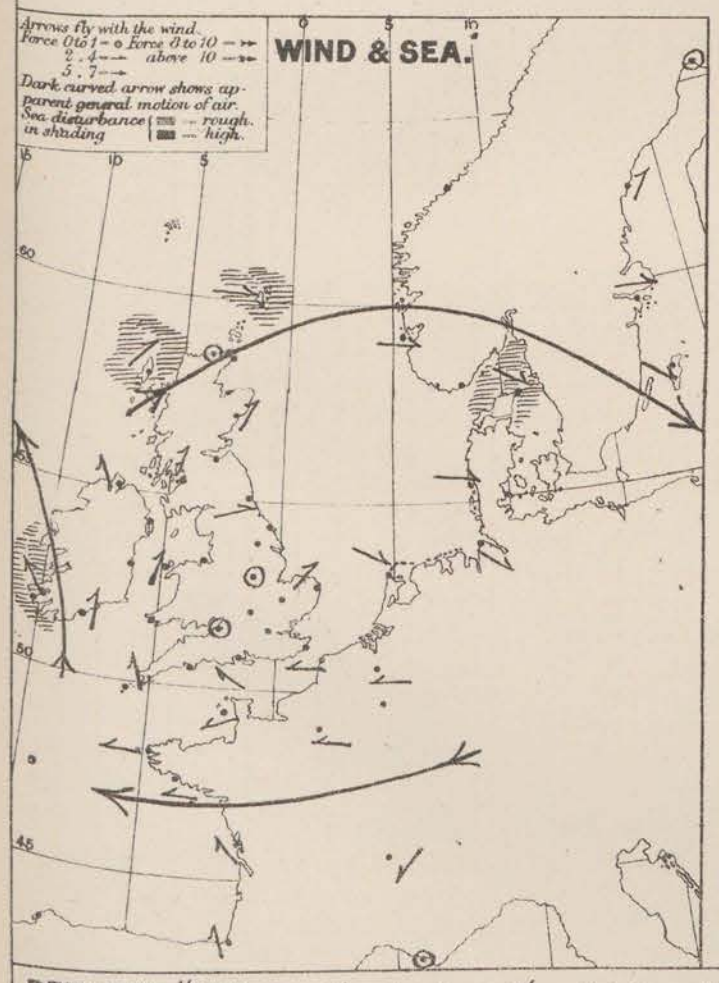
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

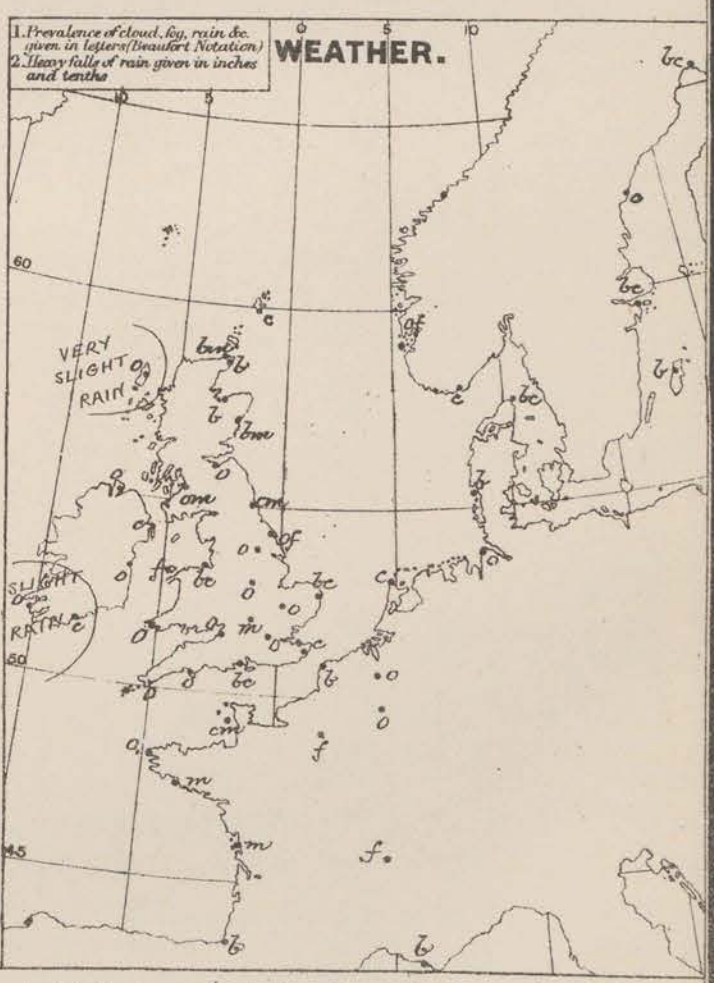
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Wednesday 6th FEBY 1878.









REMARKS. Weather is rather less cloudy than of late, a clear or partially clear sky being reported from several of the S. and SE. stations this morning, while fine bright weather still reigns over Scotland. Fog and haze are, however, very prevalent at the French stations. Temperature has fallen a few degrees in our Islands, but is still much lower over France, there is the W. of Ireland, and N. of Scotland. At Paris the thermometer stands at 30° this morning, in London 34°, at Valentia 46°, and in the Shetland Isles 44°. Wind is light from E. in the Channel and France, from SE. to S. over England and Ireland, (but blows freely at Valentia), from SW. in Scotland, and from W. at Sumburgh Head, and in the S. of Scandinavia. Sea is rough off our extreme W. and N. coasts, slight or smooth elsewhere.

Barometrical Indications. The anticyclone recently prevailing over us is moving gradually in an ESE. direction, its centre being now over Belgium, and the extreme SE. of England. The barometer is falling gradually at all our W. and N. stations, and gradients for S. winds are spreading all over the Kingdom.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary

DAILY WEATHER REPORT FEBY. 7TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.68	23	Z	0	b	29.58	− [illegible]	25	25	+ 17	S	2	o	*	25	7	–
Hernösand ...	30.01	40	SW	2	b	29.76	− .09	36	34	− 5	W	2	o	*	*	*	–
Stockholm ...	30.04	39	WSW	2	o	29.86	− .09	34	33	− 3	SW	6	bc	*	*	*	–
Wisby	30.08	39	WNW	4	b	30.04	+ .05	37	36	− 1	W	6	bc	*	*	*	–
Christiansund ...	29.98	42	WSW	6	bc	29.76	− .24	41	39	− 4	W	9	bc	6	45	37	0.35
Skudesnaes ...	30.28	40	WSW	4	b	30.16	− .15	42	41	0	SW	6	of	4	43	7	–
Oxö (Xtiansand)	30.27	40	WNW	4	b	30.20	− .04	41	40	− 1	WSW	5	o	3	48	37	–
Skagen (The Skaw)	30.23	38	WNW	5	b	30.22	+ .05	39	37	− 1	WNW	5	m	5	41	34	–
Fanö	30.45	39	W	4	c	30.43	+ .06	38	37	− 1	W	4	m	*	41	37	–
Cuxhaven ...	30.53	41	NW	2	o	30.52	+ .06	39	38	0	W	4	o	*	41	36	–
Sumburgh Head	30.09	43	SW	4	c	30.04	− .20	45	43	+ 1	Z	0	o	5	46	42	0.01
Stornoway	30.09	44	SW	8	r	30.15	− .09	48	47	+ 4	WSW	5	r	5	48	42	0.24
Thurso	30.13	40	ENE	3	o	30.12	− .15	47	47	+ 12	SW	4	r	3	48	34	0.43
Wick	30.15	40	SW	3	o	? 30.14	− .16	48	47	+ 11	SW	3	r	2	49	35	0.13
Nairn	30.20	41	W	1	bc	30.22	− .12	47	46	+ 5	W	2	c	1	47	39	–
Aberdeen ...	30.29	38	SW	3	b	30.25	− .11	45	43	+ 13	SW	1	c	2	46	32	–
Leith	30.40	40	WSW	3	o	30.35	− .07	45	43	+ 3	W	4	c	*	46	39	–
Shields	30.47	37	W	2	bg	30.49	− .03	36	35	− 2	WSW	2	bof	1	42	33	–
Scarborough ..	30.49	34	SW	2	c	30.58	− .04	33	32	− 3	WSW	1	b	2	36	31	–
York	30.52	33	S	1	b	30.55	− .01	31	30	− 4	S	1	b	*	37	29	–
Nottingham ...	30.57	33	SW	2	o	30.61	+ .02	29	29	− 5	Z	0	of	*	40	26	–
Ardrossan ...	30.40	44	SSW	4	c	30.43	+ .01	46	44	+ 2	SSW	3	o	3	46	42	0.01
Greencastle ...	30.35	44	SSE	2	o	30.40	+ .04	43	42	+ 2	ESE	1	c	*	45	41	–
Donaghadee ...	30.45	40	SW	2	bo	30.49	+ .03	42	41	+ 2	WNW	2	bc	1	42	39	–
Kingstown ...	30.48	43	S	3	c	30.55	?	42	40	+ 1	SSE	1	bc	1	43	38	–
Holyhead ...	30.49	40	SSW	1	o	30.53	+ .03	42	41	+ 4	SSW	3	f	2	43	37	–
Liverpool (Bidston	30.55	33	SE	1	b	30.57	+ .05	37	35	+ 5	SSE	1	bc	1	38	32	–
Valencia	30.43	48	SE	4	om	30.57	+ .14	48	47	+ 2	SE	4	bc	4	50	45	–
Roche's Point...	30.47	45	SW	2	bc	30.55	+ .11	38	38	− 7	NNE		f	3	48	38	–
Pembroke ...	30.57	43	SSE	1	om	30.58	+ .07	41	41	+ 1	E	1	om	2	44	39	–
Portishead ...	30.55	37	ESE	3	o	? 30.59	+ .04	35	34	+ 2	N	2	o	3	43	30	–
Scilly																	
Plymouth ...	30.53	42	SE	2	bm	30.60	+ .10	40	39	0	ESE	2	o	*	47	40	–
Hurst Castle ...	30.53	40	ESE	3	bm	30.62	+ .08	37	36	− 3	NE	3	om	2	44	32	–
Dover	30.58	37	SE	3	c	30.62	+ .02	36	35	− 1	ENE	1	og	0	39	36	–
London	30.57	39	SE	1	bm	30.62	+ .03	34	33	0	W	1	ogf	*	39	30	–
Oxford	*	*	*	*	*	30.61	+ .04	33	32	0	Z	0	m	*	35	33	–
Cambridge ...	30.56	37	S	1	o	30.61	+ .03	34	32	− 2	SW	1	b	*	40	28	–
Yarmouth ...	30.56	38	SSW	2	cm	30.60	.00	31	31	− 5	W	2	fg	1	40	30	–
The Helder... ...	*	*	*	*	*	30.55	+ .01	39	37	− 1	SW	1	c	*	*	*	–
Cape Gris Nez	30.58	84	ESE	1	m	30.62	+ .03	32	32	− 2	ESE	1	m	0	39	32	–
Jersey	30.56	38	Z	0	b	30.62	?	39	38	+ 3	NE	1	om	1	43	35	–
Brest	30.53	43	ENE	2	m	30.57	+ .11	41	37	+ 2	NE	1	m	3	43	37	–
L'Orient	30.52	41	SE	3	m	30.59	+ .20	36	34	0	E	4	m	3	41	32	–
Rochefort ...	30.46	?	N	?	?	30.57	?	32	32	− 2	NE	3	o	3	50	30	–
Biarritz	30.46	48	WSW	2	b	? 30.55	+ .10	39	37	− 4	ENE	1	m	3	54	? 34	–
Coruna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.62	+ .01	32	31	− 5	NE	4	o	*	39	22	–
Charleville ...	*	*	*	*	*	? 30.56	+ .02	28	*	− 3	ENE	3	o	*	*	*	*
Paris	30.57	33	E	3	o	30.60	+ .04	31	29	+ 1	NE	2	f	*	*	*	–
Lyons	*	*	*	*	*	30.59	+ .04	36	*	+ 1	N	2	o	*	*	*	*
Toulon	30.35	46	SW	1	b	30.39	− .05	43	39	0	NE	4	m	3	52	43	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.28	43	42	WSW	2	fg	3	Valencia	30.40	48	46	S	5	c	5
Thurso	30.18	46	43	S	3	b	2	Scilly							
Scarborough ...	30.49	35	34	SW	2	c	2	London	30.57	38	37	SE	1	om	*
Greencastle ...	30.33	43	41	S	2	c	*	Rochefort ...	30.46	46	45	Z	0	b	0
Holyhead	30.49	40	38	SSW	2	cm	1								

No important change.

EXPLANATION OF COLUMNS.

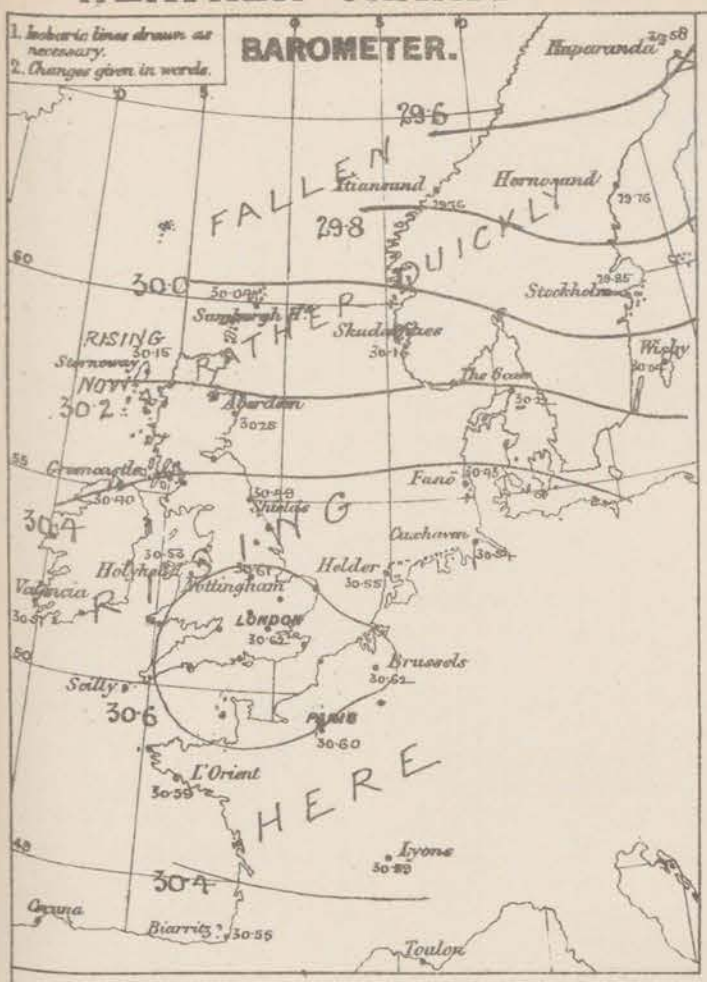
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

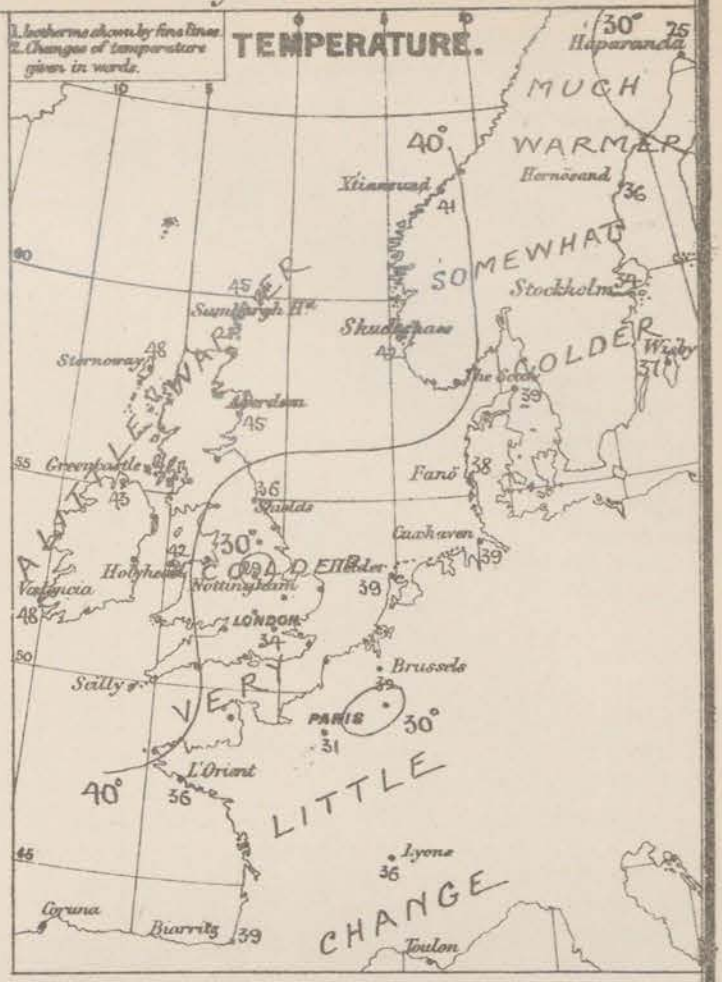
* AN ASTERISK is inserted in all places for which information is not usually received.

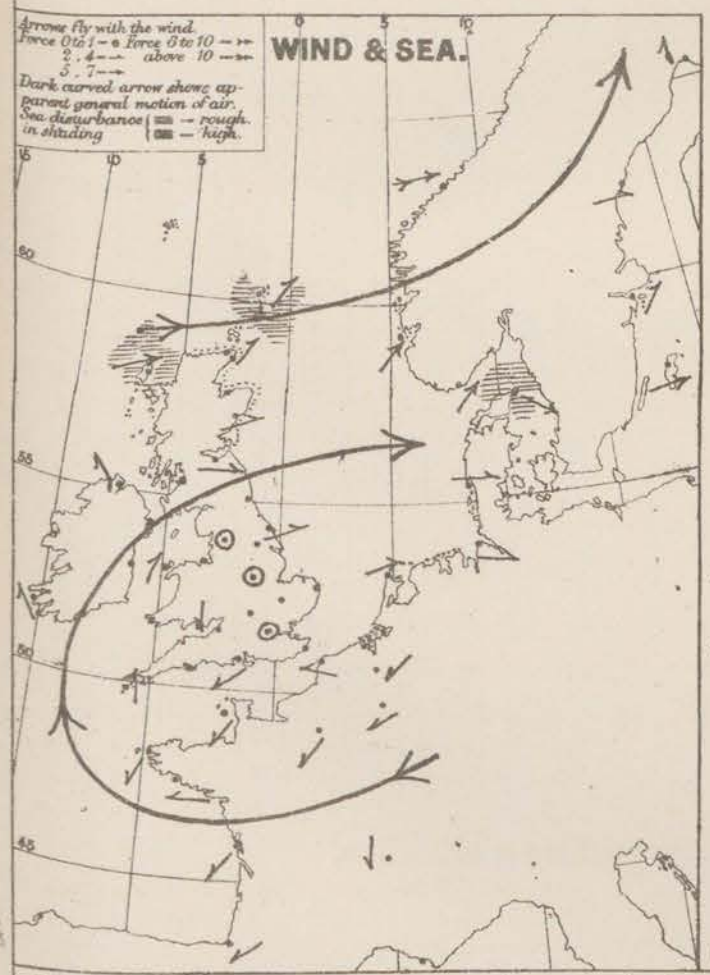
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

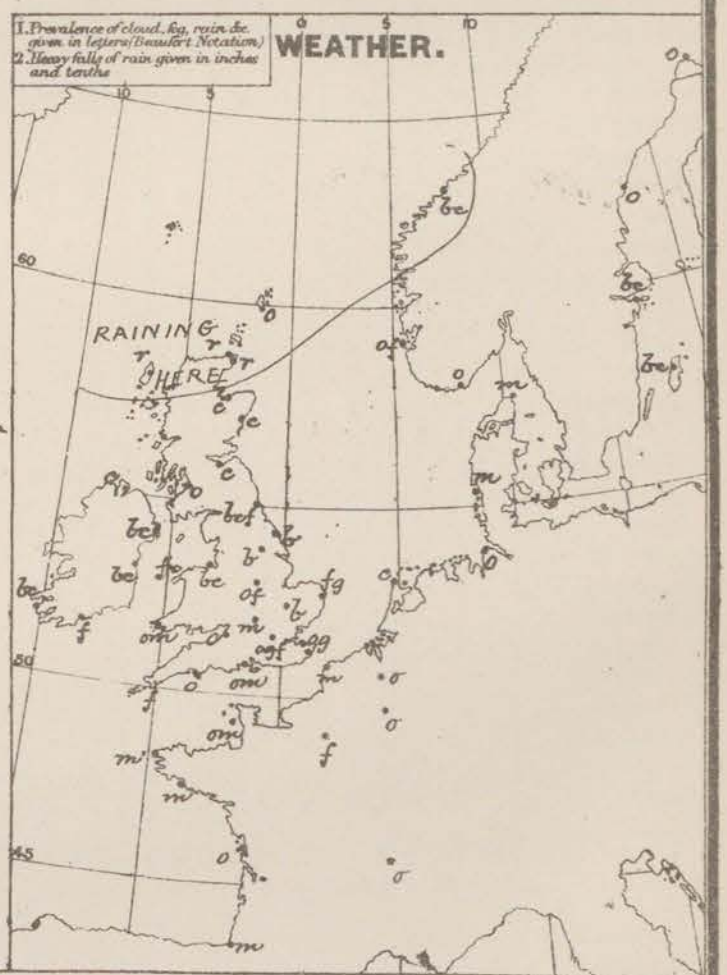
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Thursday 7th Feby. 1878.









A dotted line is drawn when the signals are still up.

REMARKS. Weather is still dull and foggy at the S. stations, and has now become cloudy in the north, with rain at Stornoway, Thurso and Wick. A lunar halo was seen at Aberdeen last evening, the general appearance of the sky at the same time being threatening. In London the fog and gloom cleared off for a few hours last evening, but by 10 pm the sky was entirely overcast again. Temperature has risen slightly in the W. and N. and is now as high as 48° lat to at Stornoway and Valentia, while it is 34° in London, and 31° at Paris. It went down to 30° in the shade, and 21° on the grass in London last night. Wind shows any little change – being light E. in France and the Channel, SE. in Ireland, and moderate SW. to W. in Scotland. In the W. of Norway it is strong to a gale from SW. and W. Sea is rough in the far N. moderate off the W. of Ireland, smooth or slight elsewhere.

Barometrical Indication. The barometer having risen a little at the S. stations, the area of high pressure lies over the S. of England and N. of France, while gradients for W. winds lie all over the N. parts of our Islands, and the North Sea as well as over Scandinavia. There appears no indication of any important change at present.

Warnings. The S. Cone was hoisted on our eastern N. coasts last evening.

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Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEB^Y 8TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.21	27	S	4	b	29.04	− .34	20	20	− 5	Z	0	bc	*	34	?	–
Hernösand ...	29.44	35	S	4	c	29.49	− .27	31	27	− 5	WNW	6	bc	*	*	*	–
Stockholm ...	29.63	36	WSW	4	b	29.66	− .19	32	28	− 2	NW	6	b	*	*	*	–
Wisby	29.88	26	WSW	8	r	29.72	− .32	37	35	0	NW	9	b	*	*	*	–
Christiansund ...	29.63	36	WNW	6	r	30.00	+ .24	30	28	− 11	WNW	9	s	7	41	25	–
Skudesnaes ...	30.05	42	WSW	7	r	30.28	+ .12	39	35	− 3	NW	7	0	4	43	?	–
Oxö (Xtiansand)	29.96	45	W	6	b	30.17	− .03	38	33	− 3	WSW	4	bc	3	?	36	–
Skagen (The Skaw)	29.94	41	WNW	7	b	30.11	− .11	37	33	− 2	NW	5	b	6	41	34	0.04
Fanö	30.26	41	WSW	6	m	30.35	− .08	39	38	+ 1	WNW	6	0	*	41	37	–
Cuxhaven ...	30.49	39	W	5	0	30.43	− .11	40	40	+ 1	WNW	2	c	*	?	36	–
Sumburgh Head	30.13	43	NNW	6	c	30.38	+ .34	37	35	− 8	NE	2	0	3	47	35	0.01
Stornoway	30.31	47	W	2	r	30.40	+ .25	48	48	0	NW	1	0	3	49	43	0.15
Thurso	30.27	45	NW	4	c	30.40	+ .28	41	41	− 6	E	1	hf	3	49	40	0.37
Wick	30.28	44	NW	3	bc	30.40	+ .26	42	42	− 6	E	1	r	1	50	39	0.30
Nairn	30.32	46	W	1	0	30.40	+ .18	47	45	0	W	1	bc	1	52	42	0.05
Aberdeen ...	30.29	48	W	1	b	30.43	+ .18	43	42	− 2	SSW	1	c	1	52	43	0.01
Leith	30.41	48	WSW	4	c	30.49	+ .14	45	44	0	WSW	2	bc	*	49	44	–
Shields	30.47	46	W	4	bm	30.48	− .01	43	41	+ 7	WSW	2	bom	1	51	35	–
Scarborough ..	30.50	41	WSW	1	b	30.54	+ .04	41	40	+ 8	WSW	1	c	1	45	33	–
York	30.53	41	W	1	b	30.58	+ .03	36	36	+ 5	W	1	bc	*	48	30	–
Nottingham ...	30.58	38	Z	0	b	30.62	+ .01	28	28	− 1	Z	0	b	*	44	27	–
Ardrossan ...	30.47	49	SW	2	0	30.52	+ .09	46	45	0	SW	1	om	2	50	45	–
Greencastle ...	30.42	47	SE	2	c	30.51	+ .11	48	47	+ 5	NNE	1	bc	*	50	36	–
Donaghadee ...	30.52	42	W	2	b	30.56	+ .07	38	37	− 4	SW	3	bc	1	50	38	–
Kingstown ...	30.56	47	SSE	1	b	30.59	+ .04	37	36	− 5	Z	0	def	0	49	37	–
Holyhead ...	30.56	44	SW	2	b	30.58	+ .05	37	37	− 5	SW	1	bw	0	49	37	0.01
Liverpool (Bidston)	30.59	41	W	1	b	30.61	+ .04	37	32	0	SE	1	m	1	45	31	–
Valencia	30.54	49	SSE	5	bcm	30.48	− .03	45	42	− 3	SE	3	c	3	54	44	–
Roche's Point...	30.58	49	SW	2	bc	30.54	− .01	42	42	+ 4	SSE	4	0	3	50	?	–
Pembroke ...	30.60	42	E	1	b	30.60	+ .02	40	40	− 1	ENE	1	0	1	44	36	–
Portishead ...	30.59	39	Z	0	b	30.61	+ .02	28	28	− 7	Z	0	df	1	43	24	–
Scilly																	
Plymouth ...	30.62	42	Z	0	0	30.61	+ .01	32	31	− 8	Z	0	bcf	*	45	31	–
Hurst Castle ...	30.61	37	S	1	bm	30.61	− .01	36	35	− 1	ENE	2	f	2	40	27	–
Dover	30.62	36	WNW	1	c	30.63	+ .01	31	31	− 5	WSW	2	df	1	38	30	–
London	30.61	38	Z	0	bf	30.62	.00	26	26	− 8	Z	0	df	*	41	25	–
Oxford	*	*	*	*	*	30.62	+ .01	25	25	− 8	Z	0	f	*	43	25	–
Cambridge ...	30.60	35	W	1	b	30.60	− .01	27	27	− 7	SW	1	b	*	47	26	–
Yarmouth ...	30.57	39	WNW	1	b	30.57	− .03	32	32	+ 1	W	2	bf	1	40	30	–
The Helder. ...	*	*	*	*	*	30.57	− .04	40	40	+ 1	WSW	1	c	*	*	*	–
Cape Gris Nez	30.61	36	Z	0	m	30.62	.00	36	36	+ 4	S	1	m	0	36	32	–
Jersey	30.64	39	NE	1	0	30.63	+ .01	35	35	− 4	E	3	m	3	41	34	–
Brest	30.61	46	NE	3	b	30.60	+ .03	36	34	− 5	ESE	1	0	3	48	34	–
L'Orient																	
Rochefort ...	30.54	43	ENE	3	0	30.56	+ .05	28	28	− 4	E	4	m	3	52	27	–
Biarritz	30.54	48	Z	0	bc	30.53	− .02	32	32	− 7	E	4	f	3	48	30	–
Corunna	*	*	*	*	*	30.41	− .04	44	*	+ 5	NE	1	b	1	*	*	*
Brussels	*	*	*	*	*	30.63	+ .01	31	30	− 1	S	1	0	*	33	30	–
Charleville ...	*	*	*	*	*	30.57	+ .01	25	*	− 3	NE	3	0	*	*	*	*
Paris	30.61	31	NE	3	f	30.62	+ .02	28	27	− 3	ENE	2	f	*	*	*	–
Lyons	*	*	*	*	*	?	?	34	*	− 2	N	2	f	*	*	*	*
Toulon	30.40	54	W	3	b	30.43	+ .04	45	43	+ 2	E	2	m	2	55	43	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.02	43	43	WSW	6	hf	4
Thurso	30.18	46	46	WNW	4	0	4
Scarborough ...	30.49	43	40	WSW	2	b	2
Greencastle ...	30.44	49	46	SW	2	0	*
Holyhead	30.59	47	45	SW	4	b	3
Valencia	30.54	52	49	S	3	bc	3
Scilly							
London	30.60	40	38	WNW	1	bf	*
Rochefort ...	30.52	?	?	NE	4	0	3

No important change.

Warnings:- The signals which were hoisted in the north on Wednesday evening have been lowered this afternoon.

EXPLANATION OF COLUMNS.

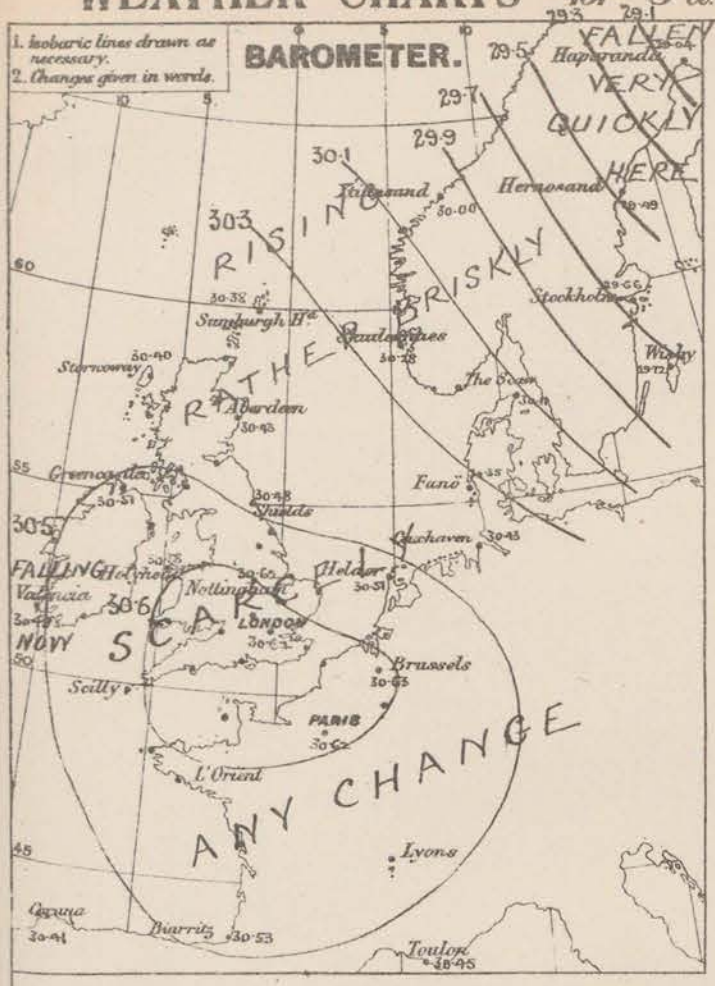
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew

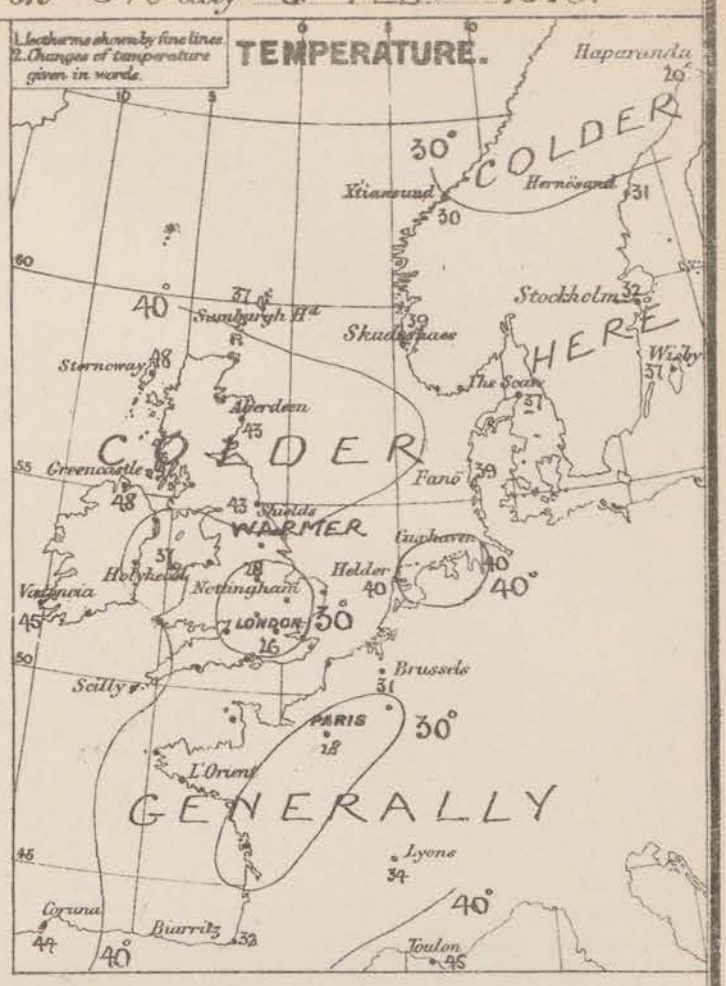
* AN ASTERISK is inserted in all places for which information is not usually received.

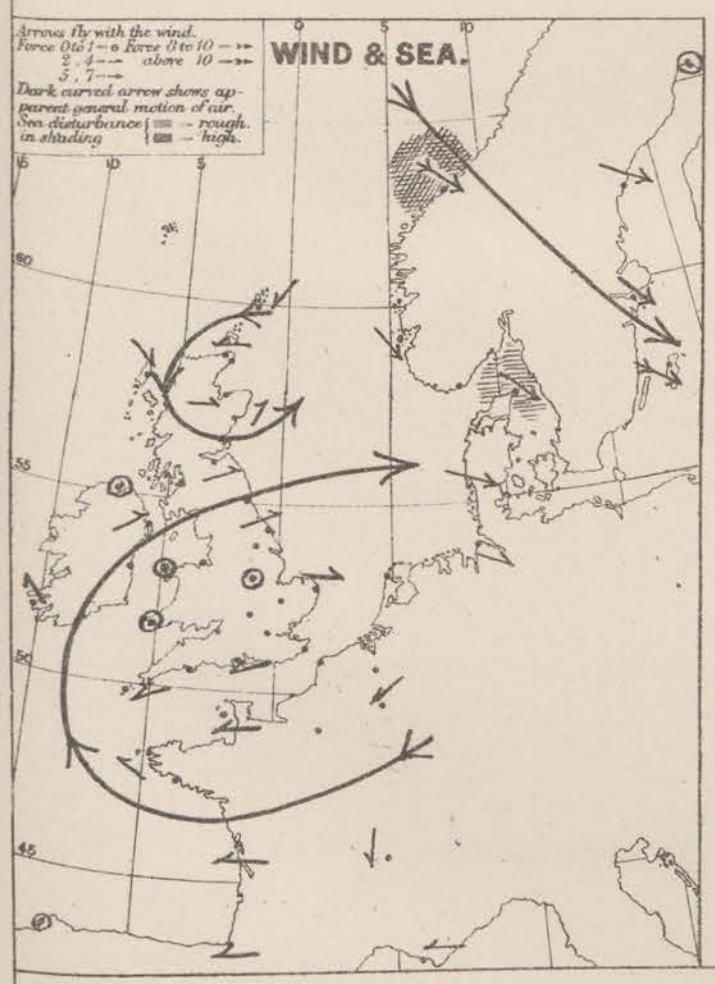
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

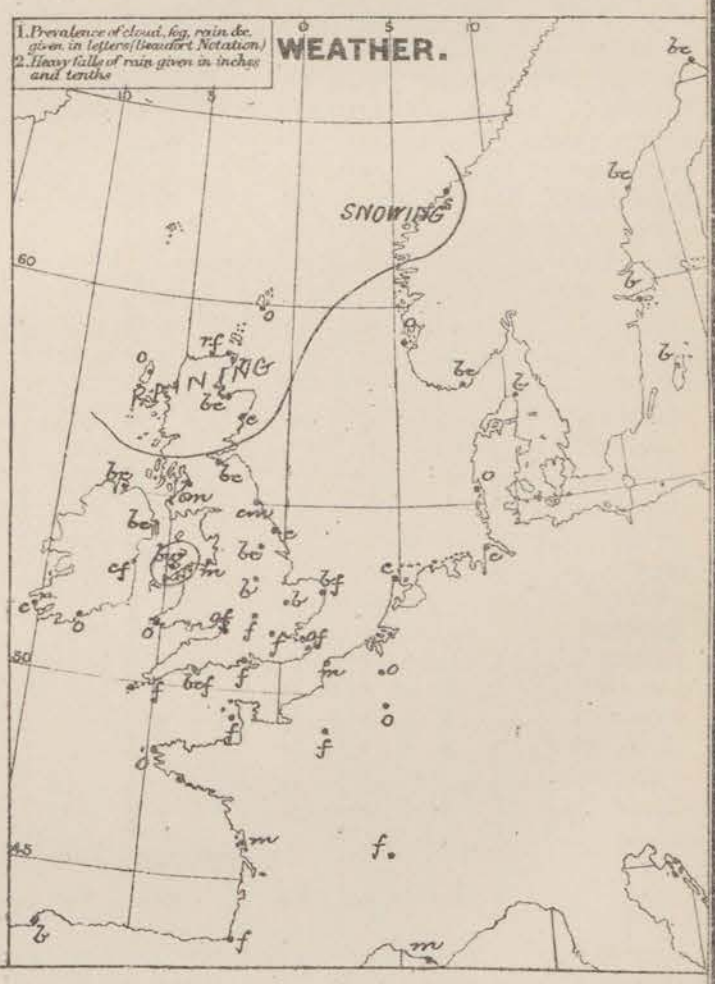
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Friday 8th Feby. 1878.









REMARKS. The Weather is still very little disturbed over the United Kingdom. It is dry and foggy or hazy in most places, but rain is falling in Caithness. Over Scandinavia the sky is moderately clear, except at Xtiansund where snow is falling. Temperature has again fallen over France and Central Englands, where a sharp frost prevails. Ireland counties are from 20° to 23° colder than Greenocastle and Sternoway. Wind is light to moderate from E in France and the Channel, light from the S. in Ireland, variable in Scotland, and strong to a gale from NW. over Scandinavia. Over Central Englands calms prevail. Sea is high at Xtiansund, rough at the Scaw, slight or smooth on our other coasts.

Barometrical Indications – The barometer is still highest (30.6 ins.) over the S. of England, and N. of France. A deep depression has advanced over the NW. of Russia in the night, causing steep gradients for NW. winds in Sweden and Norway. At Valencia the barometer has begun to fall during the night.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/- per quarter, book post 5/- per quarter.

Meteorological Office.
116, Victoria Street, Westminster, S.W.
R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEBY 9TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29·23	12	Z	0	0	29·41	+ ·37	10	10	− 10	NE	4	0	*	21	9	–
Hernösand ...	29·60	32	NW	8	b	29·65	+ ·16	20	18	− 11	NW	6	b	*	*	*	–
Stockholm ...	29·73	23	W	6	b	29·78	+ ·12	22	19	− 10	NW	6	b	*	*	*	–
Wisby	29·77	30	N	9	bc	29·80	+ ·08	29	28	− 8	NNW	9	bc	*	*	*	–
Christiansund ...	29·72	26	WNW	7	s	29·93	− ·07	30	27	0	NW	8	s	6	30	23	0·63
Skudesnaes ...	30·26	36	NW		0	30·01	− ·27	34	34	− 5	SE	1	s	2	37	?	–
Oxö (Christiansand)	30·15	36	W	6	b	30·04	− ·13	36	34	− 2	WSW	6	c	4	39	32	–
Skagen (The Skaw)	30·10	37	WNW	7	c	29·95	− ·13	36	33	− 1	WNW	7	0	7	39	32	–
Fanö	30·27	39	WNW	6	c	30·17	− ·18	39	38	0	W	4	c	*	41	37	–
Cuxhaven ...	30·42	40	NW	4	0	30·27	− ·16	42	42	+ 2	NW	2	f	*	?	37	0·02
Sumburgh Head	30·34	39	SW	1	0	30·09	− ·29	45	44	+ 8	WNW	4	bc	5	46	35	–
Stornoway	30·39	47	WNW	1	0	30·19	− ·21	42	41	− 6	WSW	1	0	1	49	40	0·02
Thurso	30·36	45	Z	0	0	30·18	− ·22	44	44	+ 3	WNW	1	0	3	46	41	0·05
Wick	30·36	44	S	1	m	30·23	− ·17	42	42	0	NW	1	0	0	? 45	? 40	0·04
Nairn	30·39	49	W	1	0	30·22	− ·18	43	41	− 4	Z	0	0	1	51	43	–
Aberdeen ...	30·37	49	NW	1	m	30·20	− ·23	40	39	− 3	Z	0	m	1	53	40	0·02
Leith	30·45	46	WSW	3	b	30·26	− ·23	39	37	− 6	SW	1	om	*	52	32	–
Shields	30·47	41	WNW	3	b	30·31	− ·17	36	35	− 7	W	1	f	1	49	34	–
Scarborough .	30·46	44	SW	4	b	30·30	− ·24	31	31	− 10	WSW	1	bf	1	47	31	–
York	30·53	42	W	1	b	30·33	− ·25	26	26	− 10	SW	1	f	*	52	24	–
Nottingham ...	30·57	40	S	1	b	30·36	− ·26	30	30	+ 2	S	1	f	*	49	27	–
Ardrossan ...	30·46	45	SSW	2	b	30·26	− ·26	41	40	− 5	SSW	1	om	1	49	44	–
Greencastle ...	30·42	43	SW	1	bc	30·22	− ·29	40	38	− 8	SE	2	0	*	54	36	–
Donaghadee ...	30·48	40	WSW	2	b	30·26	− ·30	41	40	+ 3	S	2	bc	1	49	38	–
Kingstown ...	30·57	43	S	1	0	30·27	− ·32	42	40	+ 5	SSE	1	om	1	43	36	–
Holyhead ...	30·57	41	Z	0	b	30·30	− ·28	39	37	+ 2	SSW	1	f	0	46	37	–
Liverpool (Bidston)	30·52	37	E	1	f	30·33	− ·28	31	31	− 6	SSE	1	f	1	43	28	–
Valencia	30·35	48	SE	4	om	30·07	− ·41	48	45	+ 3	SE	7	ou	7	50	45	–
Roche's Point...	30·46	45	SSE	5	0	30·18	− ·36	46	44	+ 4	SSE	5	0	4	48	?	–
Pembroke ...	30·57	44	SE	2	0	30·27	− ·33	41	40	+ 1	SSE	2	0	2	44	38	–
Portishead ...	30·52	34	ESE	2	om	30·34	− ·27	34	33	+ 6	SE	3	0	2	43	27	–
Scilly																	
Plymouth ...	30·52	?	E	1	0	30·32	− ·29	38	36	+ 6	E	2	0	*	43	31	–
Hurst Castle ...	30·55	39	SSE	1	f	30·38	− ·23	37	35	+ 1	ESE	3	m	2	40	34	–
Dover	30·57	35	WSW	3	0	30·42	− ·21	33	33	+ 2	SW	3	f	2	39	30	–
London	30·55	33	Z	0	f	30·40	− ·22	33	33	+ 7	SSE	1	0	*	34	26	–
Oxford	*	*	*	*	*	30·37	− ·25	33	33	+ 8	S	1	m	*	47	25	–
Cambridge ...	30·52	40	W	1	b	30·38	− ·22	30	29	+ 3	SW	1	f	*	51	26	–
Yarmouth ...	30·52	40	WNW	1	bm	30·38	− ·19	29	29	− 3	WSW	1	f	1	41	30	–
The Helder ...	*	*	*	*	*	30·36	− ·15	41	41	+ 1	SW	2	f	*	*	*	–
Cape Gris Nez	30·56	36	S	1	m	30·41	− ·21	30	30	− 6	SSE	1	f	0	39	28	–
Jersey	30·57	32	?	2	m	30·40	− ·23	30	30	− 5	SSW	3	b	0	35	30	–
Brest	30·52	?	SE	2	m	30·31	− ·29	37	37	+ 1	SE	3	m	4	37	32	–
L'Orient	30·54	30	ESE	2	m	30·37		30	30		ESE	3	m	3	32	27	–
Rochefort ...	30·48	39	E	4	m	30·36	− ·20	30	28	+ 2	SE	3	m	3	?	25	–
Biarritz	30·50	46	ENE	1	f	30·32	− ·21	32	30	0	SE	3	f	3	?	28	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30·44	− ·19	29	29	− 2	SW	3	f	*	34	29	–
Charleville ...	*	*	*	*	*	? 30·43	− ·14	33	*	− 2	NW	6	0	*	*	*	*
Paris	30·57	28	E	2	0	30·42	− ·20	26	26	− 2	SE	2	f	*	*	*	–
Lyons	*	*	*	*	*	30·46	?	36	*	+ 2	N	4	0	*	*	*	*
Toulon	30·42	46	E	1	m	30·32	− ·11	41	41	− 4	E	3	m	2	?	?	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·28	37	32	NW	6	0	3	Valencia	30·41	49	45	SE	5	0	4
Thurso	30·40	45	45	Z	0	f	3	Scilly							
Scarborough ...	30·50	47	45	SW	1	b	1	London	30·58	34	32	WSW	1	f	*
Greencastle ...	30·48	50	47	SW	1	b	*	Rochefort ...	30·52	32	30	E	4	m	3
Holyhead	30·56	45	43	SSW	2	b	1								

The barometer continues to fall at Valentia with freshening SE^ly wind and dull weather. The fall has extended over the whole of England during the morning but is slight at present.

EXPLANATION OF COLUMNS.

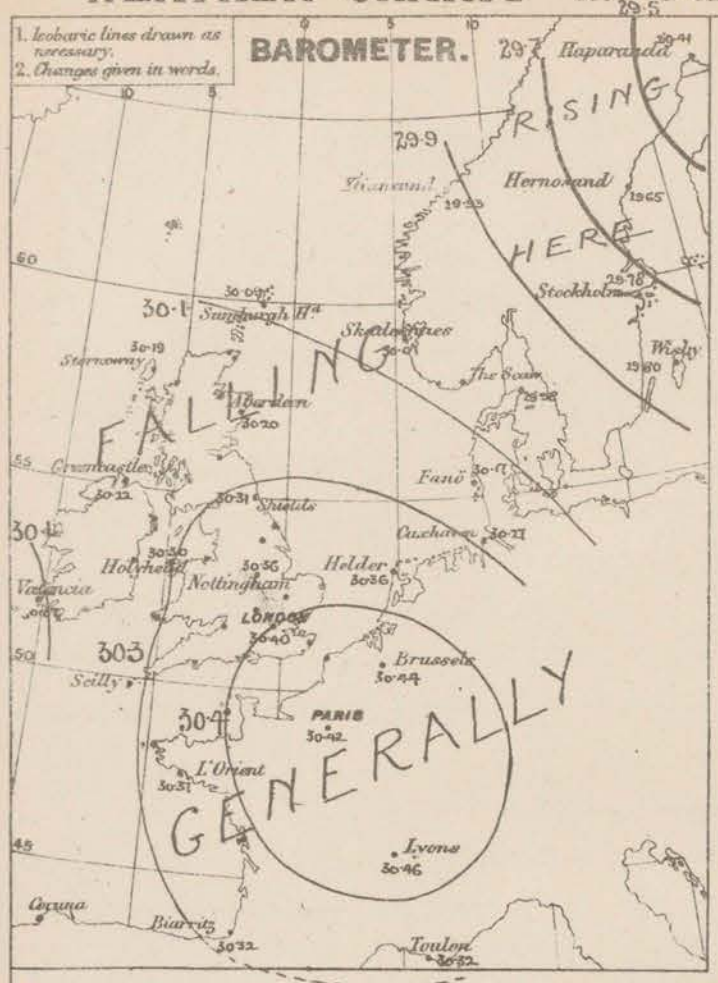
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o overcast; p. passing showers; q. scually; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

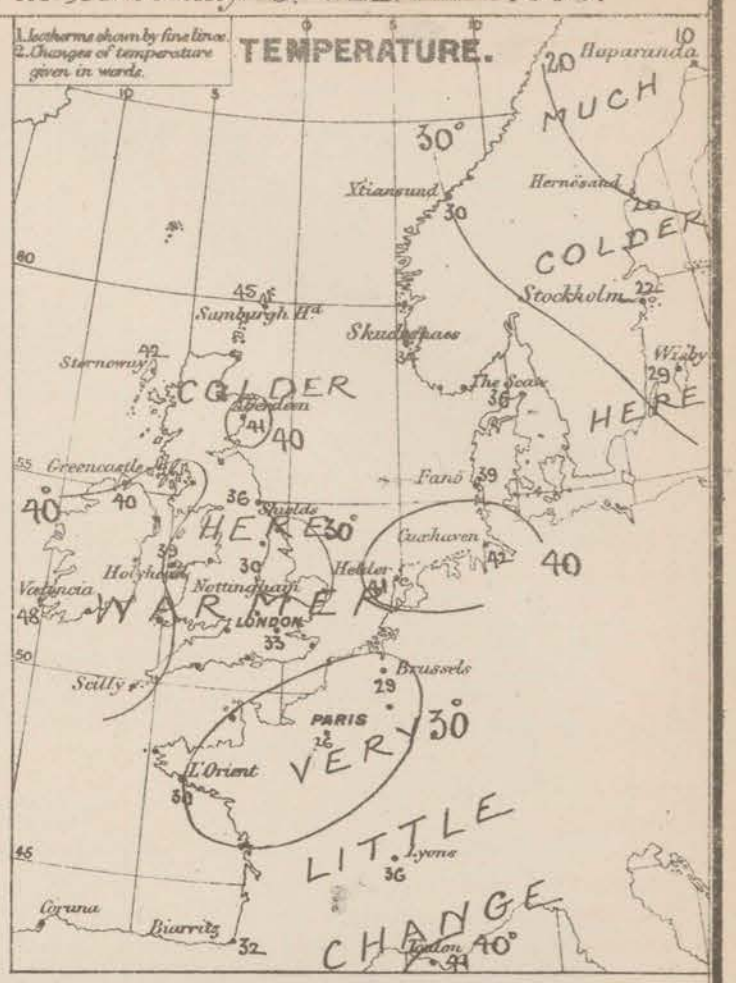
* AN ASTERISK is inserted in all places for which information is not usually received.

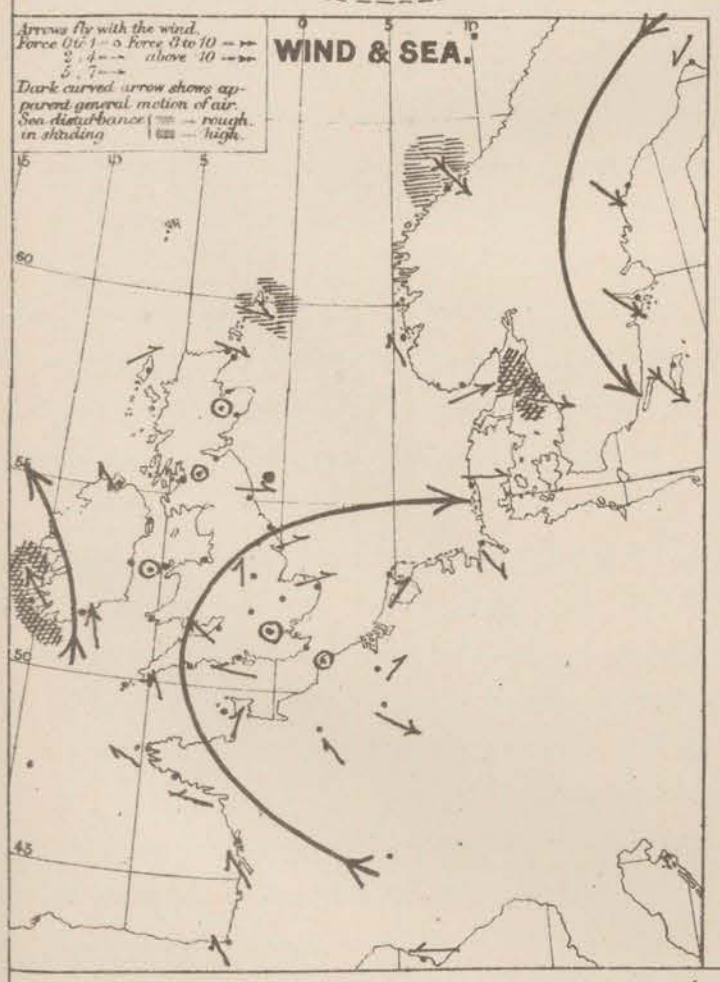
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m (Paris time) in France.

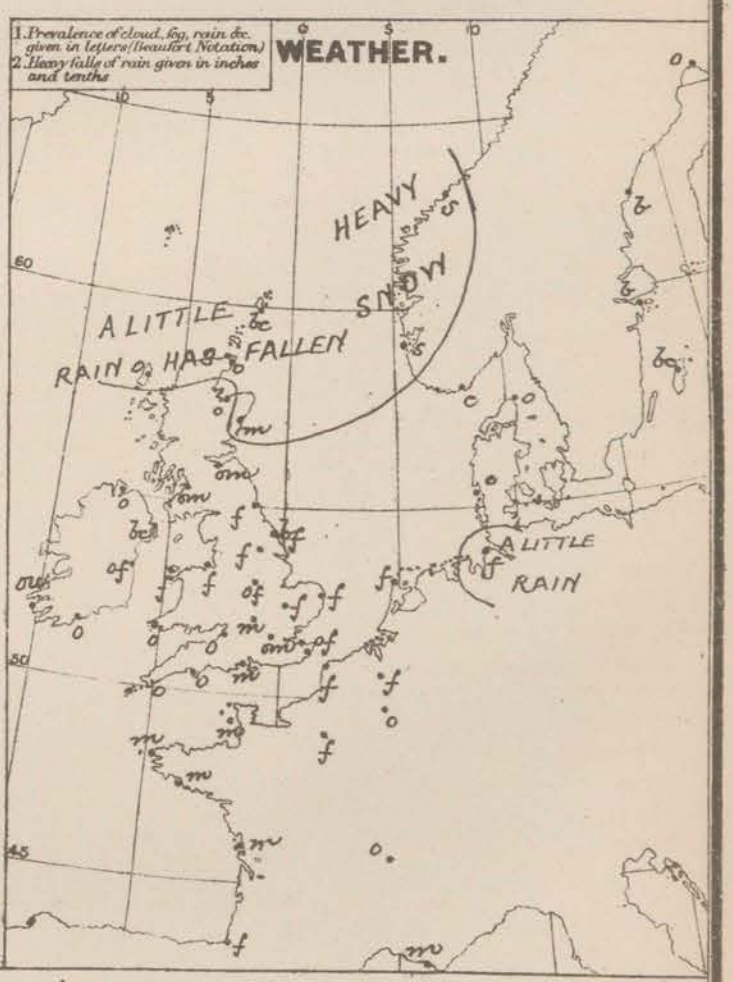
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Saturday 9 FEB.y 1878.









REMARKS. Weather is now becoming unsettled over the United Kingdom, but especially in the west. The sky is overcast very generally; wet fog prevails in almost all parts of England, a threatening appearance is reported at Valentia, and some falls in the west of Norway. Temperature is now rising over the S. of England, but has fallen in the N. during the night, as well as in France. The thermometer is 22° higher at Valentia than at York, and 15° higher than in London. Wind is light to moderate from the SE^ly in the Bay of Biscay, fresh to strong from SSE in the S. of Ireland, light SW^ly in the N^rn parts of Gt. Britain, and NW^ly (strong to a gale) in Scandinavia. Over Central England S^ly airs and calms prevail. Sea is high at Valentia, rough in the NW and N, slight or smooth elsewhere.

Barometrical Indications. The barometer is now falling in all parts of our Islands and France, most at the S^rn stations. The anticyclone has moved SE^wd, and now lies over France, and gradients for S^ly winds are spreading all over the British Isles, and becoming steeper in the west.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/ per quarter, book post 5/ per quarter.

Meteorological Office,
116, Victoria Street, Westminster, S.W.

R.H. SCOTT.
Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from FEBY 3RD *to* FEBY 9TH 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The weather during this period though very dull, gloomy and foggy has been dry and quiet. A large area of high readings has existed over the south of these Islands, the Channel and the north of France all the week and except on the 9th when a brisk fall of the barometer occurred in the N. and usher a strong SE^ly wind, very light breezes have prevailed. Temperature has been comparatively steady; it has been low over France and the SE. of England, while in the west of Ireland and north of Scotland, it has been considerably higher than the average for the season; on Saturday the weather in the Hebrides was 20° warmer than at Rochefort.

FEBY 3RD Pressure had increased somewhat over the Gulf of Bothnia, and decreased over the Baltic and N. Germany, elsewhere the changes were exceedingly slight and uninportant. Readings varied from 30.5 ins: over Ireland to 29.4 ins: in Lapland, and over these Islands they were very uniform. Wind was light or moderate from N. on our own and the French coasts as well as over the North Sea, in Sweden it blew from the same direction but with the force of a gale. Temperature had fallen in the NW. rises slightly elsewhere, it was uniform at about 40°. Weather was dull in most places with a good deal of mist and fog. Later Reports showed scarcely any change beyond a rather brisk decrease in pressure in the west of Norway.

FEBY 4TH The mercury was falling at all our more NW^rn stations as well as in Norway and a large depression had apparently advanced from the westward to the north of Scandinavia, at all the more southern stations pressure was increasing slowly. A large area of high readings (30.5 ins:) lay over England and Ireland. Wind blew a hard gale from the westward at Christiansund but in all other places it was light in force from south and west in the west and north, and from north and east in the east and south. Temperature had risen fast in the south of Scotland, but had scarcely changed elsewhere, it was still very uniform at about 40° over the British Isles and their neighbourhood. Slight rain had occurred in the SE. but otherwise the weather had been quite dry, it was, however, overcast or very cloudy with fog in the east and south-east of England. No change of any importance occurred during the day.

FEBY 5TH A fresh depression had appeared in the N. of Scandinavia causing the mercury to fall quickly there and to a less extent at all stations except those in the south-east of England, France and the Netherlands. The area of high readings still lay in the same position but was extending. Wind was E^ly in the south, S^ly in the west, and westerly in the N. It was light or moderate on most coasts but blew freshly on the eastern shores of the North Sea and reached a hard gale at at Christiansund. Temperature had fallen at the French stations but had not changed much elsewhere, it was highest (46°) in the N. of Scotland whence it decreased to 38° in the south of England and 32° at Paris. Weather continued very dry. Sky was clear in the NE. of Scotland, overcast in nearly all other places with fog over England. The changes during the day were again quite unimportant.

FEBY 6TH Pressure was increasing over Scandinavia and Denmark but decreasing over these Islands and France, the area of high readings was apparently spreading slightly eastward, but scarcely any

other change was reported. Wind continued E^ly in the South, S^ly in the west, and N^ly in the N. it blew a gale at Christiansund, but remained light to moderate at the other stations. Temperature had fallen over these Islands; it was uniform over Western Europe varying from 30° at Paris to about 45° in the south of France and west of Ireland. Weather was generally overcast or cloudy but dry. at 6 P.M. the barometer was falling rather briskly in the north-west of Scotland, and the wind had increased to a fresh gale from south-west at Stornoway.

FEB^y 7th The changes in pressure over these Islands and their neighbourhood were very unimportant. The large area of high reading still lay over the more Southern stations, while the lowest pressures were shown over the north of Scandinavia. The direction of the winds remained unchanged, and it was still light or moderate in force except in the N.W. Norway. Temperature had risen in the west and north, but had altered very little and irregularly elsewhere, it varied from 31° at Paris to 48° at Valentia and Stornoway. Weather was rather cloudy with rain in the north of Scotland, fog and mist over England. Beyond a rise of the barometer in the north, scarcely any change occurred during the day.

FEB^y 8th A rapid fall of the mercury had occurred over Laplaud, and extended in a less degree to all the Swedish stations, but in all other places the changes in pressure were inconsiderable. Gradients were rather steep over Scandinavia and N W^ly winds strong to a gale were reported there, but on our coasts the area of high pressure still remained, and light airs were experienced. Temperature in general had fallen slightly, it was low over France, the weather at Rochefort being 20° colder than the north of Scotland (48°). The sky continued rather cloudy and a good deal of mist and fog was again reported. Pressure was decreasing on all our coasts in the evening, and the southerly winds in the west apparently spreading.

FEB^y 9th The mercury was rising over Scandinavia, the depression which had been in that neighbourhood on the previous day having moved away, but in all other places the barometer was falling — quickly in the south of Ireland. The area of high pressure had moved south-eastward and lay over France. Winds remained north-westerly and strong to a gale over Norway and Sweden, but on our coasts and over the West of France, south-easterly to southerly winds were reported, they were generally moderate or light but rose to a strong breeze in the south of Ireland. Temperature had risen a few degrees over the Channel and Ireland, fallen elsewhere. Weather was rather cloudy with a great deal of mist and fog; at Christiansund heavy snow was falling. During the day pressure continued to decrease rather briskly in the west, but the south-easterly wind fell to a light breeze.

Meteorological Office,
116 *Victoria Street, Westminster, S.W.*
ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT FEB. 10TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall
Haparanda ...	29.45	10	N	2	o	29.57	+ .16	-2	-3	— 12	N	2	b	*	12	-4	—
Hernösand ...	29.57	20	NW	4	bc	29.55	— .10	17	17	— 3	N	2	c	*	*	*	—
Stockholm ...	29.63	23	W	4	b	29.63	— .15	16	15	— 6	WNW	4	b	*	*	*	—
Wisby	29.72	32	NNW	8	bc	29.72	— .08	27	26	— 2	NNW	8	bc	*	*	*	—
Christiansund ...	29.85	28	NNW	4	c	29.65	— .28	28	26	— 2	NW	6	bc	5	28	25	0.12
Skudesnaes ...	29.87	35	NNW	2	r	29.78	— .23	33	31	— 1	NNW	2	o	2	41	?	—
Oxö (Xtiansand)	29.82	42	WSW	4	c	29.75	— .29	34	32	— 2	NNE	4	o	2	43	32	—
Skagen (The Skaw)	29.78	40	NNW	4	o	29.80	— .18	32	30	— 4	SE	3	o	3	41	28	—
Fanö	29.96	39	W	4	o	29.85	— .32	39	38	o	W	4	c	*	39	37	—
Cuxhaven ...	30.15	41	WNW	5	r	29.92	— .35	35	35	— 7	W	3	b	*	41	30	0.06
Sumburgh Head	29.95	44	WNW	4	c	29.80	— .29	42	41	— 3	WNW	2	c	3	47	40	—
Stornoway	30.03	41	SSW	1	o	29.89	— .30	39	38	— 3	W	1	o	1	43	36	0.01
Thurso	30.03	42	NW	2	o	29.86	— .32	39	38	— 5	WSW	2	o	3	46	38	0.02
Wick	30.03	40	NW	1	o	29.87	— .36	38	36	— 4	N	1	o	0	46	35	0.06
Nairn	30.08	42	W	1	o	29.91	— .31	37	35	— 6	W	1	bc	1	45	37	—
Aberdeen ...	30.05	44	NNE	1	o	29.90	— .30	39	37	— 1	W	1	om	1	47	38	—
Leith	30.09	41	SW	2	o	29.93	— .33	39	37	o	Z	o	o	*	44	37	—
Shields	30.12	40	NW	3	o	29.94	— .37	37	35	+ 1	W	2	of	1	42	34	—
Scarborough ..	30.12	32	SW	3	f	29.95	— .35	34	33	+ 3	WSW	1	o	2	36	30	—
York	30.13	33	S	1	o	29.97	— .36	32	32	+ 6	SW	1	o	*	33	25	—
Nottingham ...	30.18	32	Z	o	o	30.00	— .36	33	32	+ 3	NNE	1	o	*	33	30	—
Ardrossan ...	30.08	42	S	3	o	29.93	— .33	40	39	— 1	ESE	1	hf	2	44	40	0.04
Greencastle ...	30.03	42	SSE	1	o	29.88	— .34	42	41	+ 2	SSE	1	o	*	45	39	—
Donaghadee ...	30.09	41	S	2	c	29.94	— .32	41	40	o	S	2	o	1	42	39	0.01
Kingstown ...	30.09	44	SE	3	o	29.91	— .36	43	43	+ 1	SSE	1	m	2	44	41	0.12
Holyhead ...	30.12	40	SSW	1	m	29.93	— .37	39	39	o	SSE	2	m	1	40	38	0.02
Liverpool (Bidston	30.15	34	SE	1	o	29.96	— .37	33	33	+ 2	ESE	2	o	1	34	31	0.01
Valencia	29.88	50	SE	3	r	29.93	— .14	48	47	o	SE	2	odg	2	52	46	0.26
Roche's Point...	30.03	46	S	6	r	29.96	— .22	46	45	o	W	2	o	4	49	43	0.07
Pembroke ...	30.11	42	SE	3	c	29.92	— .35	48	48	+ 7	W	3	o	4	48	41	0.08
Portishead ...	30.17	37	SE	3	o	29.95	— .39	39	39	+ 5	Z	o	f	2	40	33	0.02
Scilly																	
Plymouth ...	30.16	41	SE	2	o	29.99	— .33	45	44	+ 7	Z	o	f	*	48	38	0.20
Hurst Castle ...	30.20	39	SW	3	o	29.99	— .39	43	43	+ 6	S	4	pom	5	44	35	0.08
Dover	30.13	35	SW	3	o	30.03	— .39	39	38	+ 6	SW	3	orm	2	39	31	0.01
London	30.22	36	SSE	2	o	30.01	— .39	37	36	+ 4	S	1	o	*	37	33	0.07
Oxford	*	*	*	*	*	29.98	— .39	37	37	+ 4	Z	o	o	*	37	33	0.02
Cambridge ...	30.20	32	S	1	o	30.04	— .34	34	34	+ 4	SW	1	o	*	35	29	—
Yarmouth ...	30.17	33	SSW	2	f	30.01	— .37	32	31	+ 3	W	1	f	1	34	28	—
The Heldar ...	*	*	*	*	*	29.99	— .37	37	36	— 4	SW	1	o	*	*	*	—
Cape Gris Nez	30.26	28	S	1	m	30.05	— .36	32	32	+ 2	S	3	f	2	32	27	—
Jersey	30.26	33	SSW	2	m	30.06	— .34	45	45	+ 15	SW	3	f	3	45	30	0.06
Brest	30.17	45	S	4	o	30.07	— .24	48	46	+ 11	W	3	o	5	?	37	0.24
L'Orient	30.22	39	SE	3	m	30.11	— .26	48	48	+ 18	W	2	m	5	50	28	0.08
Rochefort ...	30.30	39	S	1	m	30.20	— .16	28	28	— 2	S	3	m	3	30	25	—
Biarritz	30.32	45	Z	o	o	30.17	— .15	32	30	o	ESE	4	bc	3	45	28	—
Corunna	*	*	*	*	*	30.06	— .21	49	*	o	SW	3	c	1	*	*	*
Brussels	*	*	*	*	*	30.08	— .36	29	28	o	SW	6	o	*	30	28	—
Charleville ...	*	*	*	*	*	30.03	— .40	27	*	+ 4	SSW	3	o	*	*	*	*
Paris	30.29	28	S	3	o	30.11	— .31	31	30	+ 5	S	1	o	*	*	*	—
Lyons	*	*	*	*	*	30.27	— .19	36	*	o	SE	2	o	*	*	*	*
Toulon	30.27	46	SSW	2	m	30.26	— .12	41	41	o	Z	o	m	3	46	?	—

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.89	41	40	NNW	1	hf	2	Valencia	29.94	49	48	ESE	6	odg	5
Thurso	30.09	43	42	WNW	3	p	4	Scilly							
Scarborough ...	30.18	32	32	NSW	2	bz	3	London	30.28	35	34	SSE	1	om	*
Greencastle ...	30.12	42	39	SE	2	o	*	Rochefort ...	30.34	32	32	E	1	m	3
Holyhead	30.20	39	38	SSW	2	m	1								

The barometer still falls everywhere, most in the south-west. A strong ESE wind is reported from Valentia with rain but with a less threatening appearance than that reported this morning and less sea. Our south-west coast were warned at one thirty P.M. today.

EXPLANATION OF COLUMNS.

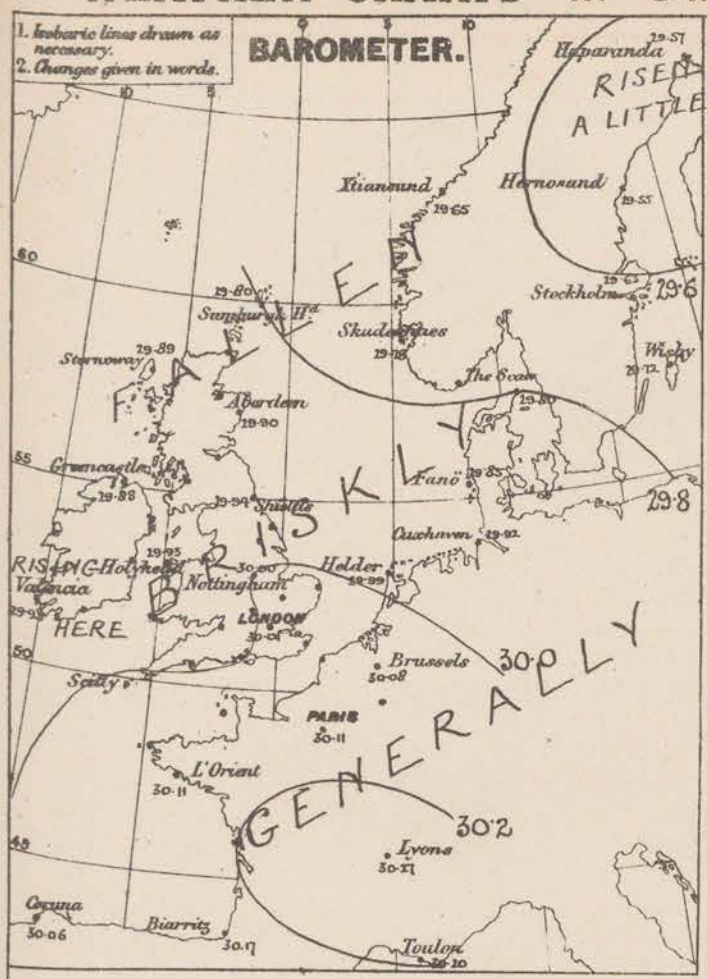
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

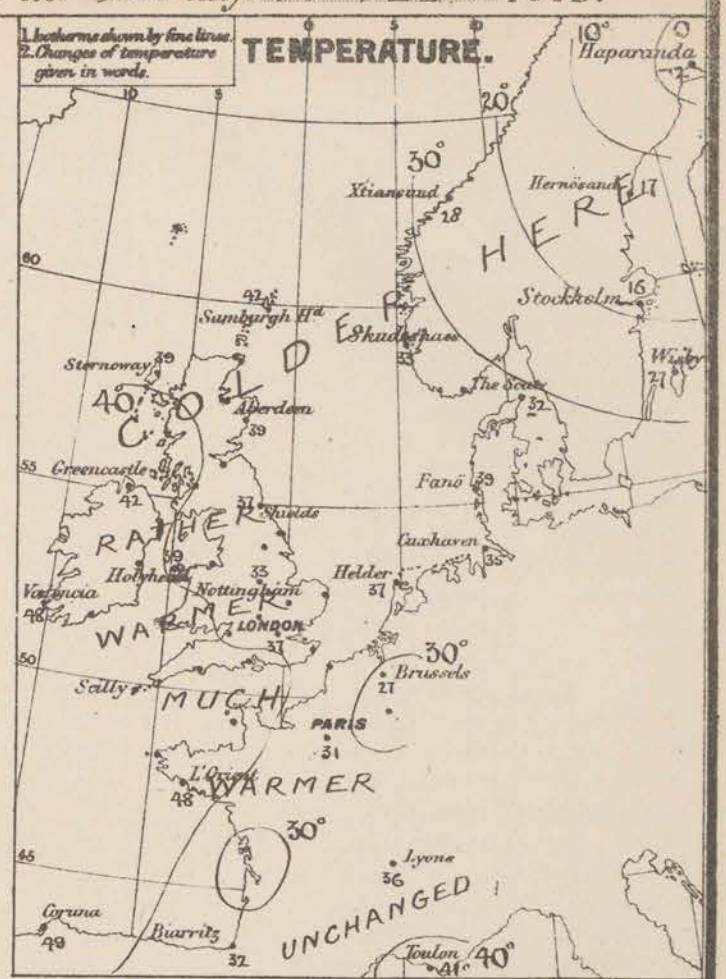
* AN ASTERISK is inserted in all places for which information is not usually received.

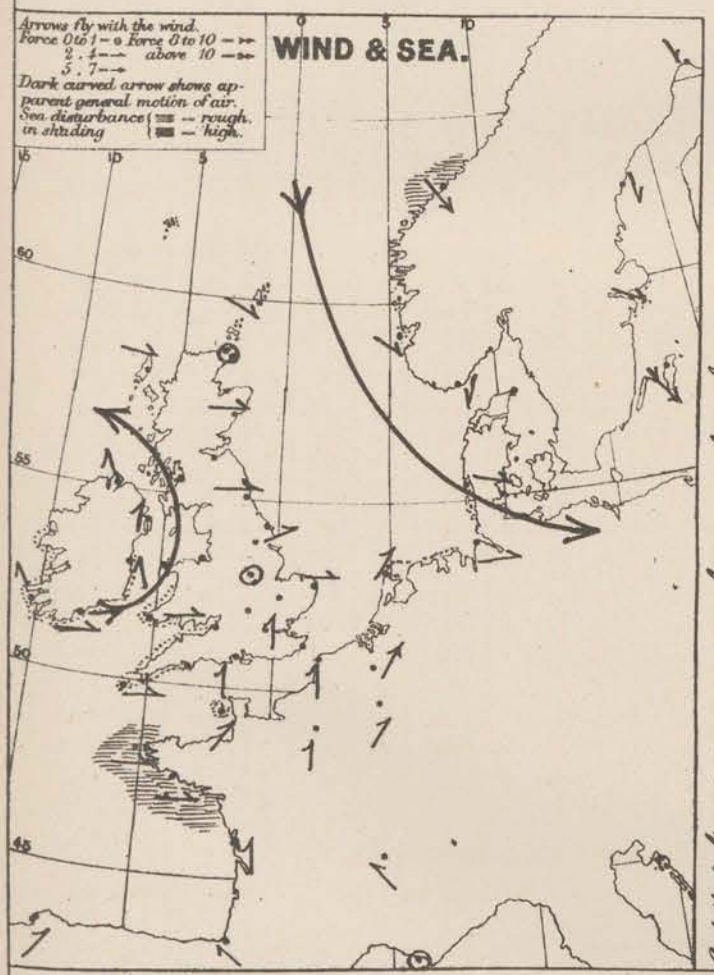
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

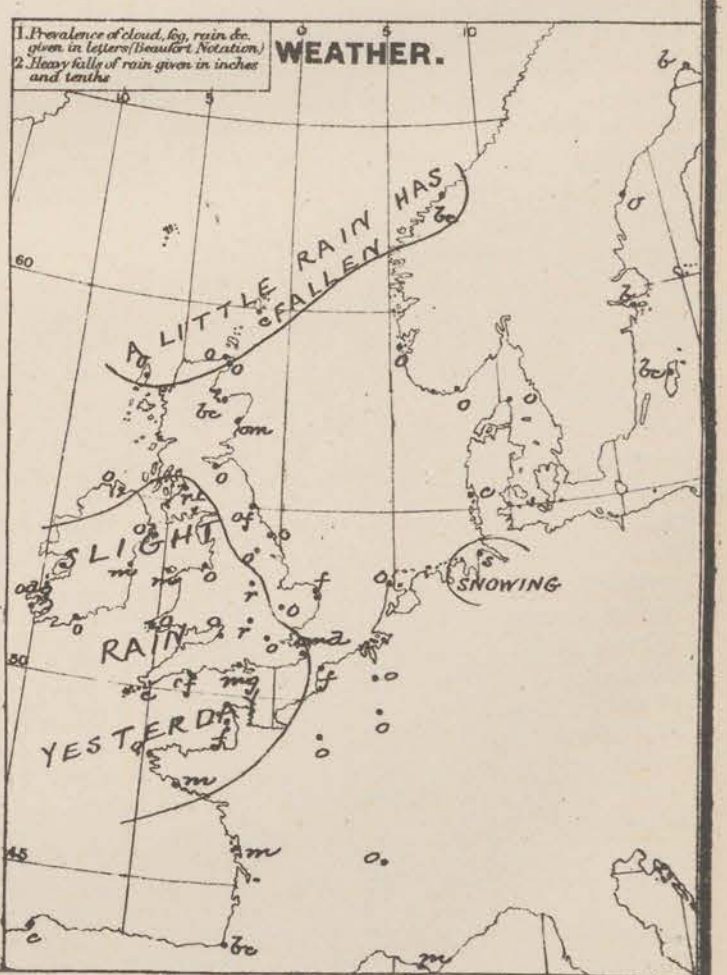
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Sunday 10TH FEBY 1878.









The dotted line is drawn round the coasts where the signals are up.

REMARKS. Weather is overcast with snow at Cuxhaven, and fog mist or drizzling rain in most places. Rain fell yesterday at several stations, but in very small amounts. Temperature has risen very quickly in the NW. of France, and to a smaller extent over England, elsewhere it has fallen. It is still low over the SE. of England, and in the NE. of France, where a sharp frost prevails. Wind is strong over Scandinavia from NW, but is light or moderate from SE. S. or SW over the United Kingdom and France. Sea is rather rough in the N^n part of the Bay of Biscay, moderate to smooth elsewhere.

Barometrical Indications. Pressure has decreased in all parts of W^n Europe, and the area of highest barometer is moving slowly SE^wd, and lies over Central and S^n France. Slight depressions are passing N^wd along our W^n coasts.

Warnings: The S. cone was hoisted on our SW. coasts yesterday afternoon.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/ per quarter, book post 5/ per quarter.

Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT. Secretary.

DAILY WEATHER REPORT FEBY 11TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.57	4	Z	0	s	29.60	+ .03	0	0	+ 2	N	2	o	*	7	−4	–
Hernösand ...	29.56	23	NW	2	o	29.60	+ .05	22	22	+ 5	NE	2	o	*	*	*	–
Stockholm ...	29.58	22	N	4	bc	29.56	− .07	13	12	− 3	N	2	c	*	*	*	–
Wisby	29.67	28	NNW	6	bc	29.58	− .14	27	26	o	NNW	6	bc	*	*	*	–
Christiansund ...	29.69	30	NNW	6	o	29.77	+ .12	31	29	+ 3	NNW	5	bc	5	?	?	0.08
Skudesnaes ...	29.76	31	NNW	4	c	29.87	+ .09	26	24	− 7	NNW	2	b	2	34	?	–
Oxö (Xtiansand)	29.69	35	SW	2	o	29.78	+ .03	26	25	− 8	NNW	4	b	3	37	22	–
Skagen (The Skaw)	29.66	35	NW	4	o	29.73	− .07	31	29	− 1	NNE	3	b	2	36	27	–
Fanö	29.69	39	N	4	o	29.77	− .08	33	31	− 6	N	4	c	*	41	32	–
Cuxhaven ...	29.88	35	NSW	3	r	29.75	− .17	38	38	+ 3	NW	4	r	*	?	34	0.03
Sumburgh Head	29.82	36	NE	4	r	29.99	+ .19	33	32	− 9	NE	3	c	3	45	30	0.04
Stornoway	29.89	43	NW	1	o	29.95	+ .06	39	38	o	WNW	1	c	1	45	38	–
Thurso	29.85	42	NW	3	o	29.97	+ .11	36	36	− 3	Z	0	c	2	44	35	0.04
Wick	29.84	39	N	2	bc	29.98	+ .11	37	37	− 1	Z	0	c	2	42	36	0.01
Nairn	29.91	40	N	1	bc	29.96	+ .05	36	34	− 1	Z	0	bc	2	43	34	–
Aberdeen ...	29.85	42	NW	2	o	29.96	+ .06	39	38	o	NNW	1	om	1	44	38	–
Leith	29.91	41	WNW	1	bc	29.99	+ .06	33	33	− 6	N	1	f	*	47	32	–
Shields	29.89	41	NW	2	bc	29.97	+ .03	36	35	− 1	NW	2	bm	1	41	34	–
Scarborough ..	29.90	40	NSW	2	o	29.96	+ .01	38	37	+ 4	NW	1	b	2	40	34	–
York	29.93	37	N	1	o	? 29.97	.00	32	31	o	NNW	1	b	*	40	31	–
Nottingham ...	29.94	36	Z	0	o	29.99	− .01	36	34	+ 3	Z	0	o	*	38	32	0.03
Ardrossan ...	29.92	43	Z	0	o	29.98	+ .05	33	32	− 7	ENE	1	f	0	43	33	0.01
Greencastle ...	29.89	44	SE	1	o	29.99	+ .11	36	36	− 6	ENE	1	b	*	46	35	–
Donaghadee ...	29.93	? 41	S	2	o	29.97	+ .03	42	41	+ 1	E	1	b	1	42	38	0.01
Kingstown ...	29.92	45	ENE	1	f	29.93	+ .02	44	43	+ 1	E	2	c	3	45	42	0.03
Holyhead ...	29.91	43	NNW	1	m	29.91	− .02	41	40	+ 2	ENE	3	c	2	45	38	–
Liverpool (Bidston)	29.92	38	ESE	1	m	29.96	.00	37	37	+ 4	ESE	3	f	1	39	? 33	0.01
Valencia	29.87	48	SE	3	o	29.80	− .13	48	46	o	E	4	c	4	52	46	0.01
Roche's Point...	29.93	49	NSW	3	c	29.88	− .08	46	44	o	ESE	3	o	4	52	45	?
Pembroke ...	29.92	45	NW	2	o	29.90	− .02	44	44	− 4	E	1	o	2	48	42	–
Portishead ...	29.91	45	N	4	c	29.92	− .03	39	39	o	NNE	3	om	3	46	37	0.03
Scilly																	
Plymouth ...	29.94	47	Z	0	o	29.91	− .08	42	41	− 3	E	1	o	*	49	42	–
Hurst Castle ...	29.93	47	WSW	3	o	29.93	− .06	44	44	+ 1	WSW	1	md	2	49	42	0.01
Dover	29.82	42	Z	0	o	29.94	− .09	38	37	− 1	NNW	3	of	1	42	37	0.03
London	29.92	42	Z	0	df	29.95	− .06	37	37	o	Z	0	o	*	43	37	0.06
Oxford	*	*	*	*	*	29.96	− .02	37	36	o	NE	1	om	*	43	37	0.07
Cambridge ...	29.93	38	SW	1	r	29.94	− .10	34	34	o	Z	0	o	*	41	33	0.03
Yarmouth ...	29.93	36	WNW	1	b	29.93	− .08	34	34	+ 2	WNW	1	bf	1	36	28	–
The Helder...	*	*	*	*	*	29.86	− .13	41	40	+ 4	N	1	c	*	*	*	–
Cape Gris Nez	29.93	39	S	2	f	29.93	− .12	39	39	+ 7	NNE	2	m	1	41	30	0.04
Jersey	30.00	46	N	2	f	29.93	− .13	44	44	− 1	ESE	1	f	1	49	43	0.02
Brest	30.00	52	S	1	m	29.90	− .17	45	43	− 3	ESE	3	o	5	54	43	–
L'Orient	30.02	48	N	1	m	29.89	− .22	41	40	− 7	ESE	3	m	5	54	39	0.04
Rochefort ...	30.06	41	SSE	3	o	29.92	− .28	41	39	+ 13	ESE	3	o	3	54	25	–
Biarritz	29.98	50	E	3	c	29.95	− .22	54	52	+ 22	SSW	4	c	3	59	?	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	29.91	− .17	35	34	+ 6	Z	0	f	*	?	?	0.12
Charleville ...	*	*	*	*	*	?	?	33	*	+ 6	S	1	r	*	*	*	*
Paris	30.04	36	S	1	o	29.95	− .16	38	37	+ 7	WSW	1	f	*	*	*	0.04
Lyons	*	*	*	*	*	30.07	− .20	37	*	+ 1	SW	2	f	*	*	*	*
Toulon	30.09	46	N	3	m	29.98	− .22	45	45	+ 4	Z	0	o	3	50	41	–

YESTERDAY'S 2-P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.74	32	31	NNW	2	s	2	Valencia							
Thurso								Scilly							
Scarborough ...								London							*
Greencastle ...							*	Rochefort ...	30.09	50	46	S	3	o	3
Holyhead															

EXPLANATION OF COLUMNS.

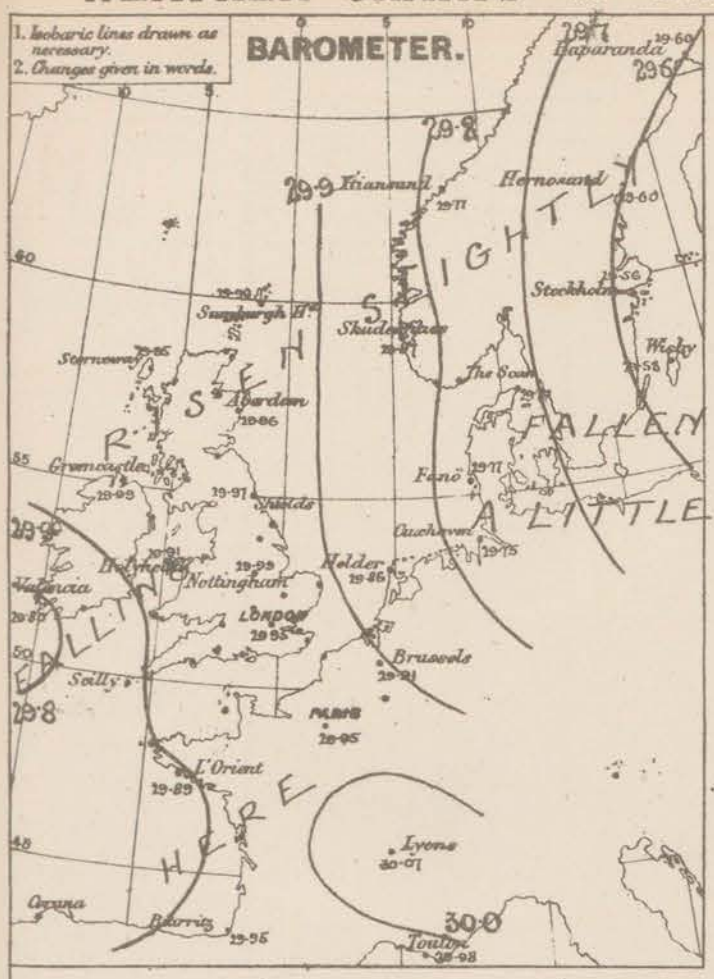
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

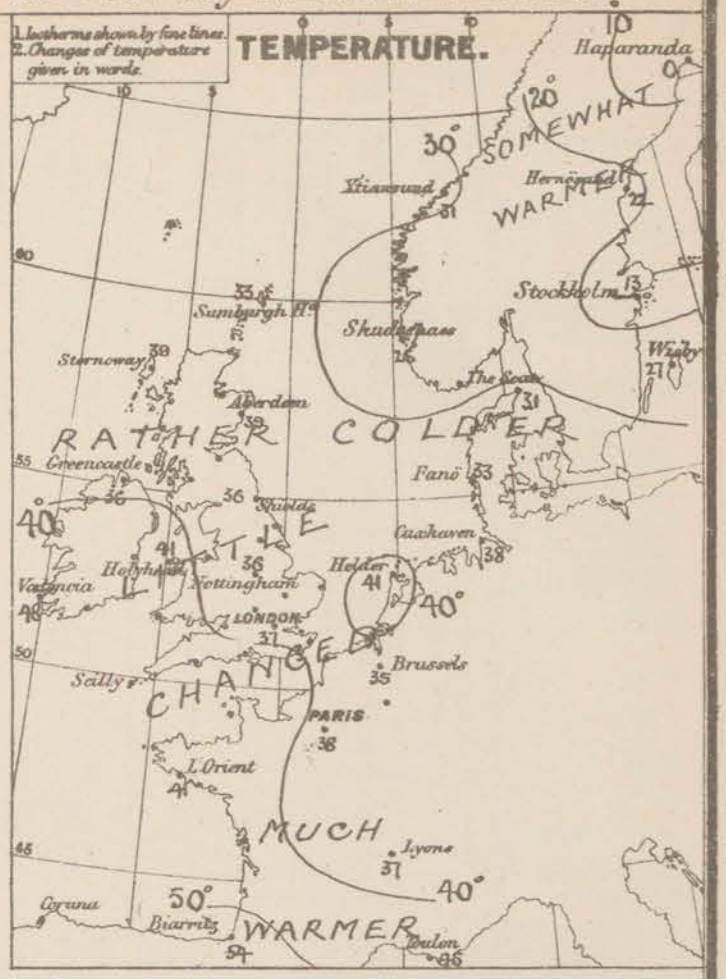
* AN ASTERISK is inserted in all places for which information is not usually received.

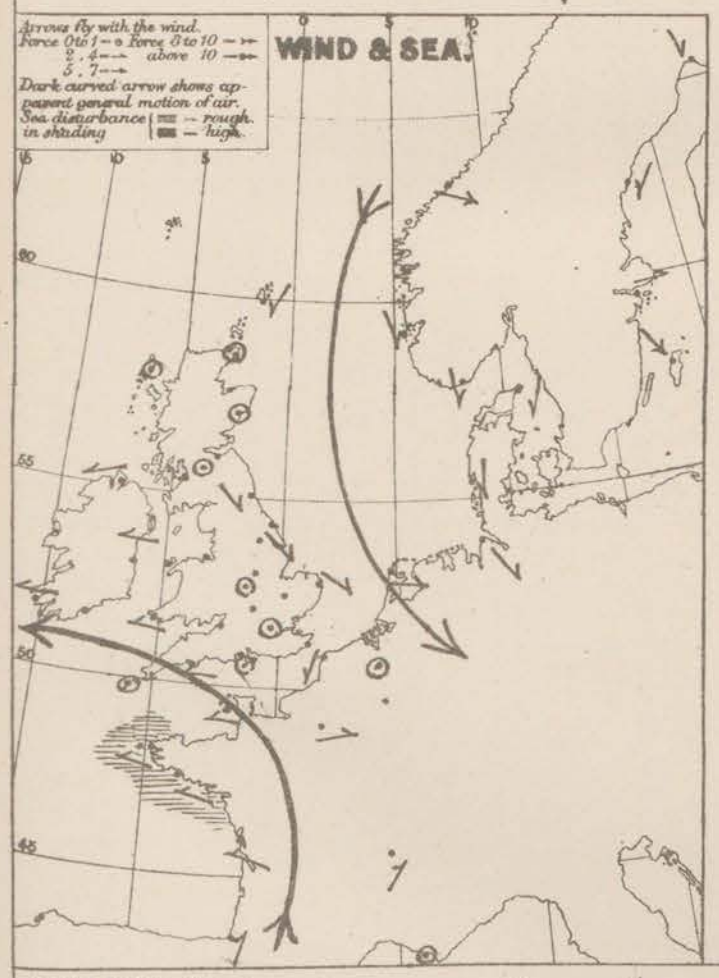
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

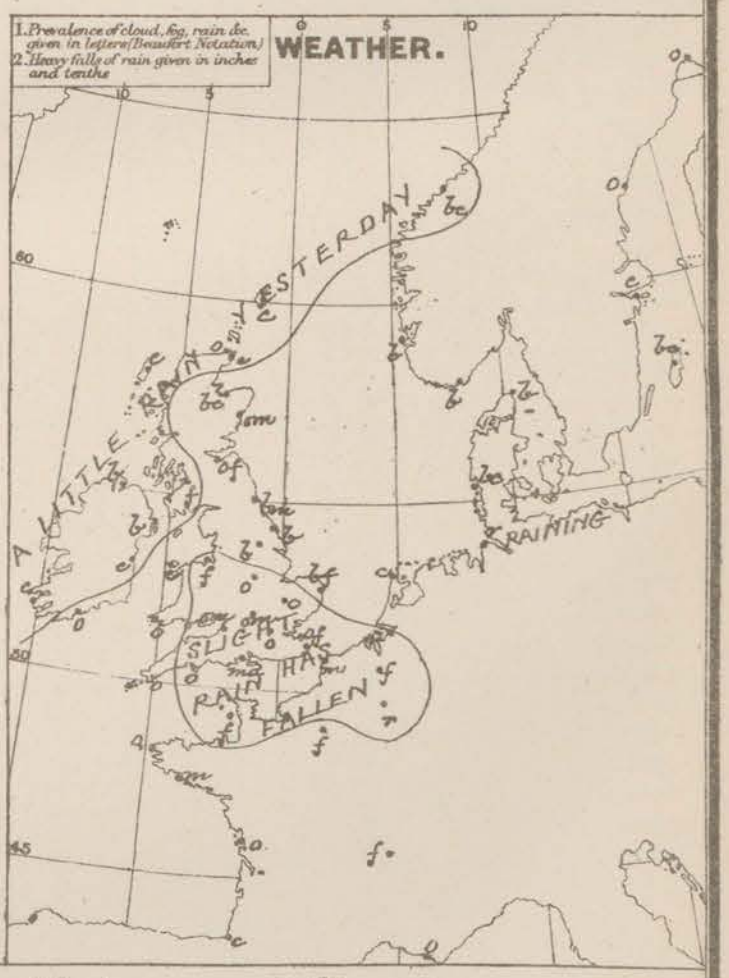
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Mon-day 11 FEBY 1878.









REMARKS. Weather is locally clear in Norway, the E. and N. of England, and N. of Ireland, but is overcast or cloudy elsewhere, while over the greater part of Great Britain, as well as in the north of France mists and fogs are reported. A lunar halo was seen at Valentia last night. Slight rain fell at a few stations yesterday. Temperature has changed irregularly; in Scotland the NW. of France, and on the E^n shores of the North Sea it has fallen, elsewhere it has risen; the changes generally are slight, but at Biarritz a rise of 22° is reported. Temperature varies from 33° to 39° in Scotland from 36° to 48° in Ireland, and from 32° to 46° in England. Wind is light from E. on our W^n coasts, and over the Bay of Biscay, and moderate from N. on the E^n shores of the North Sea, but elsewhere light variable airs prevail. Sea is moderate to smooth.

Barometrical Indications. Pressure is giving way slowly in the SW. and S, but is increasing at our E^n and N^n stations, and over Norway. Readings are very uniform over these Islands.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT. Secretary.

DAILY WEATHER REPORT FEB.Y 12TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.70	3	Z	0	bc	29.76	+ .16	-11	-11	- 11	Z	0	b	*	5	-11	–
Hernösand ...	29.79	17	Z	0	c	29.92	+ .32	14	14	- 8	Z	0	b	*	*	*	–
Stockholm ...	29.70	25	W	2	0	29.91	+ .35	23	22	+ 10	Z	0	0	*	*	*	–
Wisby	29.67	30	NNE	6	0	29.86	+ .28	30	29	+ 3	NNE	8	c	*	*	*	–
Christiansund ...	29.97	28	SW	3	bc	30.04	+ .27	31	29	0	SSW	3	bc	4	32	25	0.24
Skudesnaes ...	30.01	28	N	4	b	30.18	+ .31	27	24	+ 1	ENE	1	b	1	32	?	–
Oxö (Xtiansand)	29.88	31	NW	4	b	30.17	+ .39	25	23	- 1	NNW	4	b	2	37	23	–
Skagen (The Skaw)	29.87	33	ENE	4	b	30.08	+ .35	31	29	0	ENE	4	b	3	36	27	–
Fanö	29.91	31	N	2	b	30.17	+ .40	29	27	- 4	N	1	b	*	36	27	–
Cuxhaven ...	29.90	35	NNE	1	b	30.12	+ .37	33	32	- 5	NE	3	b	*	37	30	–
Sumburgh Head	30.07	33	NNE	2	b	30.10	+ .11	38	35	+ 5	SW	3	c	3	38	28	–
Stornoway	30.03	43	Z	0	0	30.10	+ .15	37	36	- 2	SW	1	b	1	44	35	–
Thurso	30.07	37	SSE	1	c	30.10	+ .13	37	36	+ 1	S	2	c	2	46	34	–
Wick	30.09	38	SE	2	0	30.11	+ .13	38	37	+ 1	SSE	2	b	0	42	35	–
Nairn	30.07	36	Z	0	b	30.14	+ .18	31	29	- 5	Z	0	b	1	41	29	–
Aberdeen ...	30.07	37	NE	2	0	30.16	+ .20	36	35	- 3	SSW	1	b	1	41	36	–
Leith	30.07	40	E	1	c	30.19	+ .20	33	32	0	SSW	1	b	*	43	32	–
Shields	30.07	40	NNE	1	c	30.23	+ .26	38	36	+ 2	SW	1	bf	2	44	35	–
Scarborough ..	30.05	40	NNE	1	m	30.22	+ .26	38	37	0	SSE	1	0	2	44	36	0.03
York	30.04	39	NNE	1	b	30.23	+ .26	37	36	+ 5	SSE	1	bc	*	47	30	0.02
Nottingham ...	30.04	41	ESE	1	c	30.26	+ .27	34	33	- 2	ESE	1	c	*	46	32	0.01
Ardrossan ...	30.04	39	NE	2	c	30.17	+ .19	34	33	+ 1	NNE	2	cf	1	44	33	–
Greencastle ...	30.00	42	E	2	b	30.08	+ .09	40	39	+ 4	SE	2	0	*	48	36	–
Donaghadee ...	30.03	42	SE	2	b	30.14	+ .17	41	39	- 1	SE	3	bc	1	42	39	–
Kingstown ...	29.98	44	SSE	1	c	30.09	+ .16	44	41	0	SE	4	om	4	46	42	0.02
Holyhead ...	29.9	41	ENE	3	b	30.11	+ .20	36	35	- 5	S	2	bc	1	46	35	–
Liverpool (Bidston)	7	40	E	2	m	30.19	+ .23	33	33	- 4	ESE	2	b	1	44	33	–
Valencia	29.84	49	E	4	c	29.87	+ .07	48	46	0	E	4	fg	4	53	47	0.04
Roche's Point...	29.91	6	SE	4	c	29.93	+ .05	46	45	0	SE	5	r	2	49	45	0.02
Pembroke ...	29.93		ESE	4	0	30.04	+ .14	42	41	- 2	ESE	6	om	4	45	41	–
Portishead ...	29.99		NE	3	c	30.14	+ .22	36	35	- 3	ENE	4	0	3	42	34	–
Scilly																	
Plymouth ...	29.91	46	ENE	2	0	30.04	+ .13	46	45	+ 4	E	3	0	*	48	41	0.01
Hurst Castle ...	29.95	43	E	4	om	30.14	+ .21	41	40	- 3	E	5	c	4	44	39	0.02
Dover	30.02	41	N	3	b	30.23	+ .29	38	36	0	ESE	3	b	2	44	36	–
London	30.02	44	SE	1	om	30.21	+ .26	36	36	- 1	ESE	1	om	*	44	36	–
Oxford	*	*	*	*	*	30.21	+ .25	36	35	- 1	Z	0	m	*	43	32	–
Cambridge ...	30.02	38	ENE	1	0	30.23	+ .29	33	32	- 1	NE	1	bc	*	47	32	–
Yarmouth ...	30.02	41	ENE	2	bc	30.22	+ .29	36	35	+ 2	Z	0	cf	1	43	32	0.01
The Helder ...	*	*	*	*	*	30.21	+ .35	36	35	- 5	N	1	c	*	*	*	–
Cape Gris Nez	30.02	41	ENE	2	m	30.24	+ .31	34	32	- 5	SE	2	b	1	45	32	–
Jersey	29.94	46	ESE	2	0	30.08	+ .15	44	44	0	ESE	3	m	3	46	43	–
Brest	29.83	48	SE	4	0	30.03	+ .13	48	46	+ 3	S	2	0	5	48	45	0.12
L'Orient	29.88	46	SE	1	f	30.08	+ .19	46	46	+ 5	N	1	m	5	48	41	0.67
Rochefort ...	29.97	46	SSE	1	0	30.12	+ .20	48	48	+ 7	N	5	0	3	52	34	0.29
Biarritz	30.04	55	Z	0	bc	30.23	+ .28	50	46	- 4	Z	0	bc	3	61	45	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.24	+ .33	33	31	- 2	NE	2	c	*	41	30	–
Charleville ...	*	*	*	*	*	? 30.18	?	27	*	- 6	NE	1	b	*	*	*	*
Paris	29.99	42	NE	2	0	30.21	+ .26	36	35	- 2	E	1	0	*	*	*	–
Lyons	*	*	*	*	*	30.18	+ .11	43	*	+ 6	SE	2	f	*	*	*	*
Toulon	29.92	48	W	4	bc	29.94	- .04	46	41	+ 1	NW	6	b	6	54	45	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.94	32	29	NNW	4	b	2	Valencia	29.87	51	46	E	5	c	5
Thurso	30.03	41	39	ESE	1	c	2	Scilly							
Scarborough ...	29.99	42	40	N	2	b	3	London	29.98	43	40	NNE	1	om	*
Greencastle ...	29.97	46	43	ESE	2	bc	*	Rochefort ...	29.95	48	46	SE	2	0	3
Holyhead	29.96	45	42	ENE	3	0	2								

No important change.

EXPLANATION OF COLUMNS.

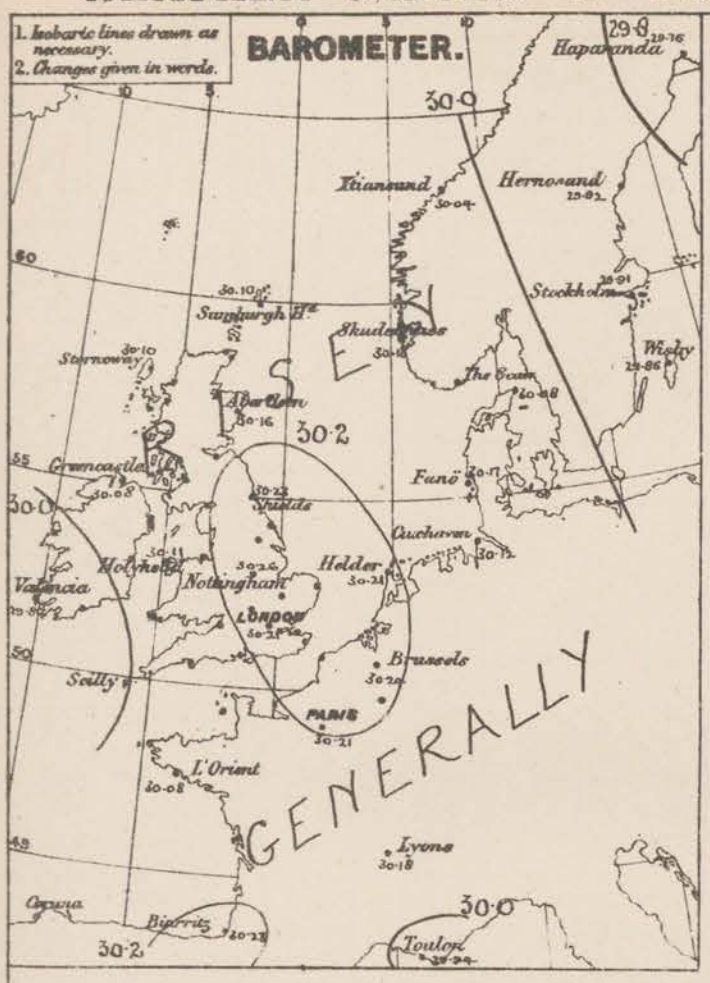
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

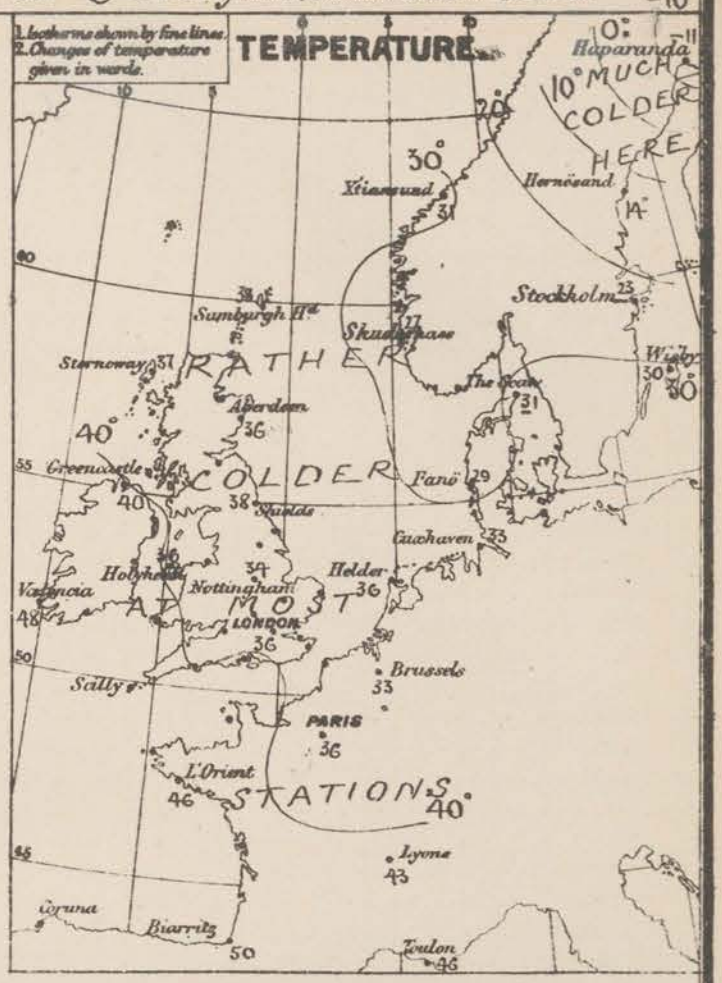
* AN ASTERISK is inserted in all places for which information is not usually received.

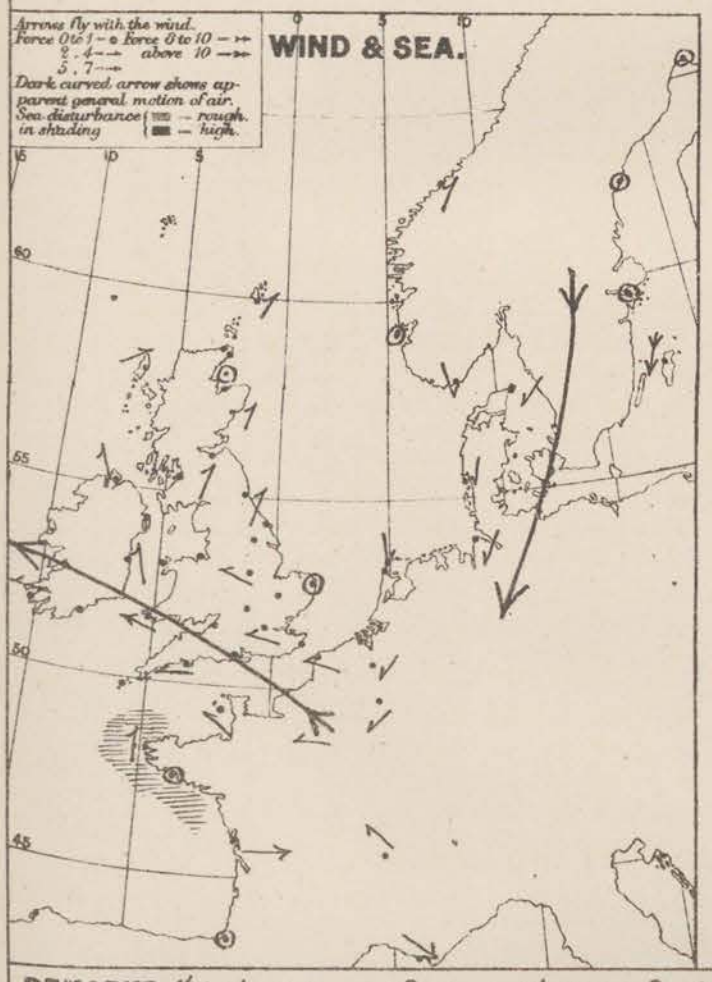
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

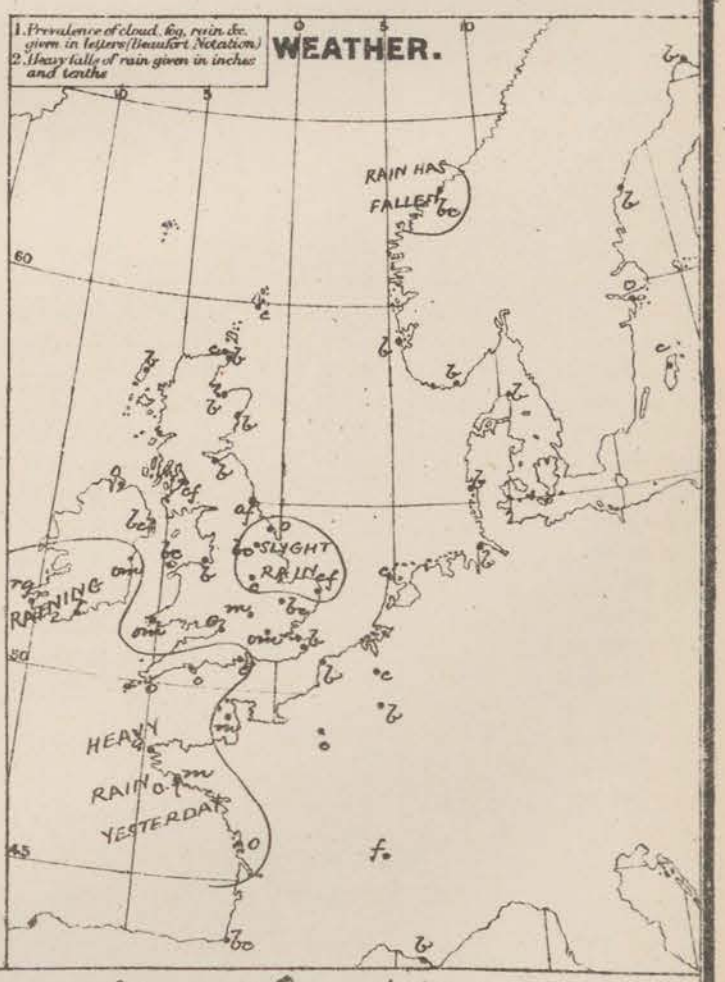
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Tuesday 12th Feby. 1878.









REMARKS. Weather is fine in Scotland, the NW. of England and over Norway and Denmark, but is cloudy or overcast elsewhere with mist in many places, and rain and gloom in the S. of Ireland. Slight rain fell at a few places yesterday, but the weather remains dry generally. Temperature has changed little and rather irregularly, but the tendency appears to be to decrease; it varies from 48° on our SW. coasts, to 33° at Cambridge and 31° at Rainis and to minus 11° in the Gulf of Bothnia. Winds is fresh to strong from E to SE in the east and southeast, light and variable at our eastern stations. On the E. shores of the North Sea the wind is N. Sea is moderate to slight, except on the NW. coast of France.

Barometrical Indications. Pressure is increasing in all parts of Western Europe, it is highest off our east coast, and comparatively low both to the S. of Ireland and over Sweden. The depression which has remained stationary near Valentia since yesterday appears to be filling up.

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Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT Feby. 13th 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29·71	−1	Z	0	b	29·29	− ·47	26	26	+ 37	SW	6	0	*	?	−11	–
Hernösand ...	29·99	21	Z	0	b	29·65	− ·27	25	23	+ 11	SW	2	0	*	*	*	–
Stockholm ...	30·06	18	W	2	b	29·89	− ·02	21	20	− 2	SW	4	c	*	*	*	–
Wisby	30·02	30	SW	6	c	30·02	+ ·16	30	28	0	WNW	6	bc	*	*	*	–
Christiansund ...	29·78	37	SSW	5	0	29·80	− ·24	38	37	+ 7	WSW	6	0	5	39	28	0·08
Skudesnaes ...	30·17	45	ESE	2	0	30·08	− ·10	39	37	+ 12	SW	2	0	3	?	27	–
Oxö (Christiansand)	30·21	32	SSW	2	b	30·09	− ·08	36	35	+ 11	WSW	4	c	3	?	?	–
Skagen (The Skaw)	30·21	32	WSW	3	c	30·06	− ·02	37	34	+ 6	WNW	5	c	5	?	25	–
Fanö	30·30	32	WSW	2	b	30·23	+ ·06	36	32	+ 7	WSW	2	c	*	36	28	–
Cuxhaven ...	30·24	35	NNE	1	b	30·33	+ ·21	27	27	− 6	SSW	1	m	*	?	27	–
Sumburgh Head	30·05	43	W	4	c	30·01	− ·04	40	38	+ 2	WSW	2	b	3	44	35	0·03
Stornoway	30·07	41	SW	2	0	29·98	− ·12	32	30	− 5	NW	1	b	1	43	30	–
Thurso	30·05	36	SW	1	b	30·01	− ·09	29	29	− 8	Z	0	m	0	3	27	–
Wick	30·10	38	Z	0	b	30·03	− ·08	28	28	− 10	W	1	f	0	46	26	–
Nairn	30·09	35	Z	0	b	30·01	− ·13	27	25	− 4	Z	0	b	1	42	26	–
Aberdeen ...	30·17	37	SSW	1	b	30·02	− ·14	38	36	+ 2	SSE	1	0	1	43	36	–
Leith	30·18	39	SSW	2	0	29·94	− ·25	35	35	+ 2	E	4	r	*	35	30	–
Shields	30·23	40	SSW	2	0	29·95	− ·28	36	35	− 2	SE	7	r	4	42	34	0·15
Scarborough ...	30·24	38	SSE	2	0	29·94	− ·28	37	37	− 1	SE	6	rs	5	41	35	0·10
York	30·23	39	SSE	1	0	29·93	− ·30	34	34	− 3	SE	1	0	*	42	32	0·24
Nottingham ...	30·22	35	SE	2	b	29·91	− ·35	37	36	+ 3	SSE	1	0	*	41	32	0·30
Ardrossan ...	30·14	36	E	2	b	29·84	− ·33	35	33	+ 1	NE	4	0	2	43	34	0·04
Greencastle ...	30·04	42	ESE	2	0	29·78	− ·30	38	37	− 2	NE	3	0	*	44	35	0·22
Donaghadee ...	30·09	42	SSE	3	b	29·71	− ·43	40	40	− 1	ESE	7	r	5	43	35	0·33
Kingstown ...	30·02	43	SE	5	0	29·66	− ·43	38	37	− 6	SW	4	0	4	44	38	0·95
Holyhead ...	30·05	44	ESE	1	bc	29·70	− ·41	43	41	+ 7	SSW	4	ow	3	47	36	0·57
Liverpool (Bidston)	30·13	38	E	4	0	29·80	− ·39	40	39	+ 7	SE	3	0	1	42	? 33	0·18
Valencia	29·79	49	ENE	2	c	29·86	− ·01	42	41	− 6	NNE	1	c	5	53	40	0·65
Roche's Point...	29·77	46	SSE	6	r	29·84	− ·09	40	38	− 6	NNW	4	c	4	49	38	0·66
Pembroke ...	29·88	42	E	8	r	29·89	− ·24	47	47	+ 5	SW	3	op	4	48	40	0·87
Portishead ...	30·07	47	SE	5	r	29·88	− ·26	45	44	+ 9	SSW	4	c	4	51	34	0·21
Scilly																	
Plymouth ...	29·95	47	E	5	0	29·93	− ·11	47	47	+ 1	SW	2	0	*	52	45	0·36
Hurst Castle ...	30·16	43	SE	6	0	29·93	− ·21	48	47	+ 7	SW	5	c	6	49	33	0·38
Dover	30·29	38	SE	3	b	30·03	− ·20	41	40	+ 3	SSW	6	over	5	42	36	0·48
London	30·25	39	SE	2	bc	29·94	− ·27	47	47	+ 11	S	3	0	*	47	35	0·10
Oxford	*	*	*	*	*	29·90	− ·31	? 46	? 44	+ 10	WSW	1	0f	*	46	36	0·28
Cambridge ...	30·26	34	SE	1	b	29·93	− ·30	38	38	+ 5	SE	2	r	*	43	31	0·27
Yarmouth ...	30·28	38	SSE	2	c	30·00	− ·22	38	38	+ 2	SSE	7	0	4	39	35	0·22
The Helder ...	*	*	*	*	*	30·21	·00	30	28	− 6	SSE	1	bc	*	*	*	–
Cape Gris Nez	30·30	34	ESE	1	b	30·06	− ·18	39	39	+ 5	S	5	r	4	41	32	0·08
Jersey	30·13	45	ESE	4	0	30·02	− ·06	49	48	+ 5	SW	6	ow	5	50	43	0·14
Brest	30·04	50	SSW	4	w	30·02	− ·01	50	46	+ 2	WSW	3	r	6	52	46	0·59
L'Orient	30·12	50	SW	3	w	30·10	+ ·02	50	50	+ 4	SW	4	r	5	52	45	0·54
Rochefort ...	30·23	50	WSW	4	r	30·25	+ ·13	46	45	− 2	S	4	0	3	55	39	0·04
Biarritz	30·26	55	ENE	1	b	30·23	·00	52	46	+ 2	SSE	3	c	3	61	43	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*									*			
Charleville ...	*	*	*	*	*	? 30·33	+ ·15	28	*	+ 1	ESE	3	0	*	*	*	*
Paris	30·29	38	ESE	2	b	30·21	·00	38	37	+ 2	SE	2	0	*	*	*	–
Lyons	*	*	*	*	*	30·36	+ ·18	39	*	r 4	E	2	f	*	*	*	*
Toulon	30·03	50	W	7	b	30·21	+ ·27	48	46	+ 2	E	2	b	3	55	46	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30·21	33	32	ESE	2	0	2	Valencia	29·83	52	49	SE	3	op	4
Thurso	30·11	46	44	NNW	1	b	2	Scilly							
Scarborough ...	30·25	40	37	SSE	2	0	2	London	30·26	43	38	SE	3	0	*
Greencastle ...	30·07	43	41	ESE	2	0	*	Rochefort ...	30·19	52	50	N	4	bc	3
Holyhead	30·13	46	42	ESE	1	bc	2								

Pressure is decreasing somewhat in the south-west, slowly increasing elsewhere, the easterly wind at Pembroke has risen to a slight gale. –

EXPLANATION OF COLUMNS.

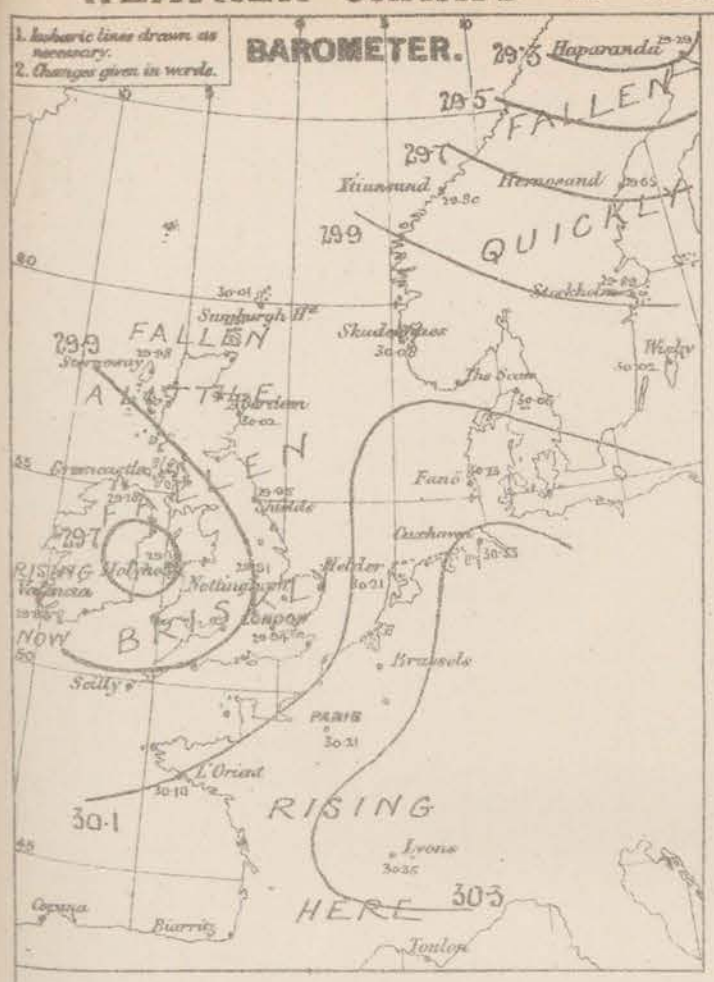
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

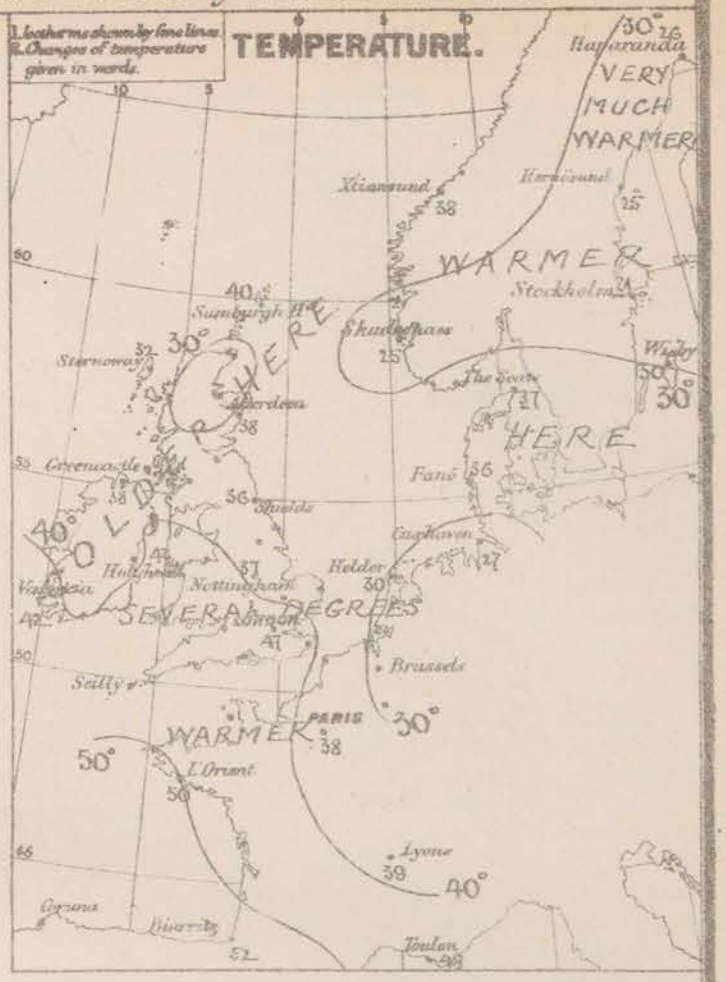
* AN ASTERISK is inserted in all places for which information is not usually received.

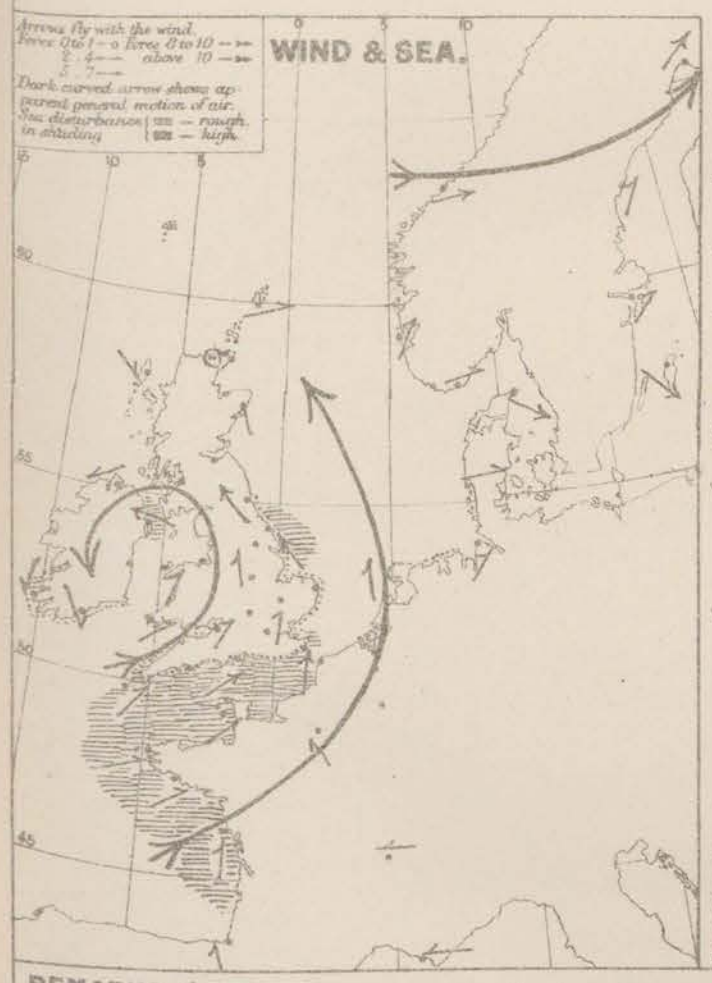
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

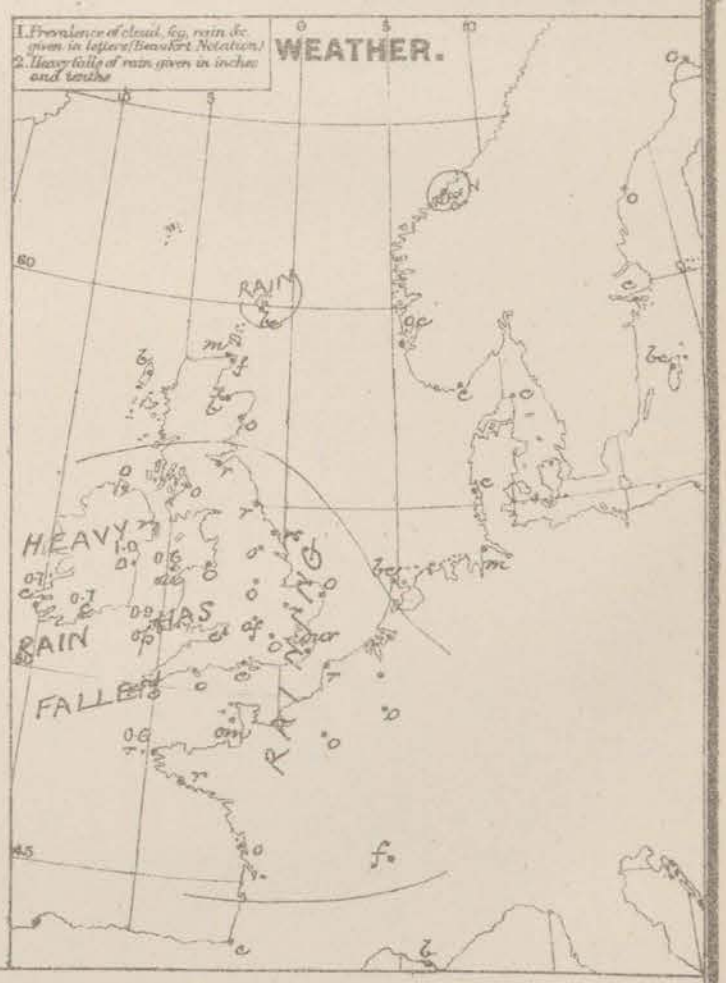
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Wednesday 13. Feby 1878.









REMARKS. Weather is very unsettled, the sky is locally clear at some of the Scotch stations, but elsewhere it is overcast with rain at some stations, and fog at a few places. Rain has been general over England and Ireland very heavy in the SW. Temperature has risen highly in the S. and SE. of England, but has fallen in Ireland and Scotland, it now varies from 27° to 35° in Scotland, from 38° to 42° over Ireland, and from 34° to 48° over England. In the Gulf of Bothnia a very rapid increase of temperature has occurred. Wind is N^ly in the S. of Ireland, SW^ly to S^ly in the Channel, and SE^ly on our E. and N. coasts; it blows freely, or with the force of a moderate gale in the E. and SE, while a fresh gale was felt in the SW last evening. Sea is rough in the Channel and Bay of Biscay, moderate to slight on our other coasts.

Barometrical Indications. Pressure has risen slightly in the SW. of France, but has fallen in all other places, highly on our NW. coast, and in Sweden. A small but well marked depression has advanced to the Irish Sea, while a large disturbance is advancing towards the Gulf of Bothnia.

Warnings. The Gale Cone was hoisted on our SW. S. and E. coasts last evening.

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Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEB^Y 14TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.50	13	SW	2	b	29.61	+ .32	15	15	− 11	N	4	bc	*	34	10	—
Hernösand ...	29.76	31	NNW	2	c	29.89	+ .24	24	23	− 1	SW	2	c	*	*	*	—
Stockholm ...	29.77	31	WSW	2	b	29.91	+ .02	30	30	+ 9	Z	0	0	*	*	*	0.04
Wisby	29.91	36	WSW	6	b	29.91	− .11	36	34	+ 6	NW	6	0	*	*	*	—
Christiansund ...	29.89	35	NNW	3	0	29.96	+ .16	35	34	− 3	N	8	0	4	39	32	0.12
Skudesnaes ...	30.04	35	Z	0	c	30.06	− .02	37	36	− 2	NNW	2	0	2	39	34	—
Oxö (Xtiansand)	30.00	36	WSW	4	b	29.98	− .11	30	28	− 6	NW	2	bc	1	39	27	—
Skagen (The Skaw)	30.04	35	N	4	b	30.01	− .05	30	28	− 7	WSW	3	0	1	39	27	—
Fanö	30.06	32	SE	4	c	30.03	− .20	32	31	− 4	SE	1	0	*	36	30	—
Cuxhaven ...	30.15	35	S	1	c	30.06	− .27	38	37	+ 11	SW	1	0	*	?	27	0.06
Sumburgh Head	30.00	41	WSW	1	c	30.07	+ .06	37	36	− 3	N	1	b	1	45	35	—
Stornoway	29.95	39	NE	1	b	30.00	+ .02	35	34	+ 3	ESE	1	b	4	44	30	—
Thurso	29.99	38	Z	0	0	30.05	+ .04	36	35	+ 7	ESE	1	c	1	44	28	0.01
Wick	30.00	39	E	1	0	30.02	− .01	38	36	+ 10	E	3	bc	2	42	?	0.03
Nairn	29.97	35	Z	0	b	30.01	.00	36	35	+ 9	E	2	0	0	38	27	—
Aberdeen ...	29.97	40	ESE	2	d	30.03	+ .01	40	38	+ 2	E	2	0	2	42	38	0.03
Leith	29.90	39	E	3	f	29.97	+ .03	40	39	+ 5	E	3	0	*	42	34	0.10
Shields	29.88	39	Z	0	ow	29.93	− .02	41	41	+ 5	SE	2	g	3	41	35	0.09
Scarborough ..	29.88	39	SSE	1	0	29.93	− .01	40	40	+ 3	E	2	m	2	40	37	0.10
York	29.87	39	E	1	m	29.91	− .02	41	41	+ 7	E	1	0	*	41	33	0.03
Nottingham ...	29.88	46	S	2	0	29.86	− .05	42	42	+ 5	NE	1	rf	*	51	37	0.05
Ardrossan ...	29.84	39	NE	3	0	29.89	+ .05	41	40	+ 6	ENE	4	0	3	41	35	0.12
Greencastle ...	29.80	40	NE	2	0	29.84	+ .06	42	41	+ 4	NE	3	0	*	42	36	0.17
Donaghadee ...	29.74	41	ESE	6	0	29.82	+ .11	41	41	+ 1	ESE	6	0	5	41	39	0.86
Kingstown ...	29.75	37	N	4	0	29.77	+ .11	40	39	+ 2	SSE	1	ow	1	40	36	0.11
Holyhead ...	29.76	41	SSW	5	m	29.80	+ .10	41	40	− 2	SSW	1	f	0	44	39	0.04
Liverpool (Bidston	29.82	43	SSW	2	c	29.83	+ .03	42	41	+ 2	E	2	m	1	48	40	0.01
Valencia	29.91	46	N	3	cm	29.85	− .01	40	39	− 2	Z	0	bcm	1	50	39	0.02
Roche's Point...	29.89	44	NW	4	bc	29.84	.00	41	39	+ 1	N	3	c	3	47	38	—
Pembroke ...	29.85	45	WSW	3	0	29.80	.00	42	41	− 5	WNW	1	0	2	47	41	0.02
Portishead ...	29.90	46	SW	3	c	29.79	− .09	43	43	− 2	SE	3	f	3	54	40	0.23
Scilly																	
Plymouth ...	29.93	49	SW	2	0	29.78	− .15	45	45	− 2	Z	0	g	*	52	45	0.25
Hurst Castle ...	29.94	48	SSW	3	ow	29.75	− .18	50	49	+ 2	SSW	5	r	5	51	44	0.56
Dover	30.00	45	SW	0	0	29.92	− .11	45	44	+ 4	SSW	4	c	3	47	40	0.34
London	29.96	49	SSW	2	0	29.83	− .11	49	48	+ 2	S	3	f	*	51	45	0.36
Oxford	*	*	*	*	*	29.78	− .12	44	44	− 2	N	1	f	*	51	44	0.34
Cambridge ...	29.92	45	SW	1	c	29.84	− .09	43	43	+ 5	SE	1	f	*	52	38	0.18
Yarmouth ...	29.92	42	Z	0	of	29.91	− .09	42	42	+ 4	SE	4	0	2	44	37	0.21
The Helder. ...	*	*	*	*	*	30.02	− .19	37	37	+ 7	S	1	g	*	*	*	0.12
Cape Gris Nez	30.03	46	SW	5	g	29.94	− .12	48	46	+ 9	S	4	0	2	?	39	0.55
Jersey	30.03	49	SW	4	0	29.83	− .19	49	48	0	SSW	7	ow	6	51	47	0.92
Brest	30.01	52	SW	4	m	29.84	− .18	48	48	− 2	W	3	0	5	52	48	0.47
L'Orient	30.07	50	SW	3	m	29.88	− .22	50	50	0	SW	5	r	5	55	48	0.08
Rochefort ...	30.17	52	S	2	0	30.08	− .17	46	45	0	S	3	0	3	?	39	—
Biarritz	30.20	55	Z	0	bc	30.10	− .13	59	52	+ 7	SSW	5	0	3	63	50	—
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.04	− .17	44	43	+ 11	SSW	4	0	*	45	?	0.55
Charleville ...	*	*	*	*	*	30.06	− .27	40	*	+ 12	SSE	3	0	*	*	*	*
Paris	30.12	50	S	3	c	30.06	− .15	46	45	+ 8	SSE	3	r	*	*	*	0.04
Lyons	*	*	*	*	*	30.26	− .10	43	*	+ 4	SE	4	c	*	*	*	*
Toulon	30.33	46	E	6	m	30.35	+ .14	45	41	− 3	E	4	bc	3	55	?	—

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.04	39	36	SW	2	bc	3	Valencia	29.90	50	45	NW	1	bcm	2
Thurso	30.00	41	39	ESE	2	bc	1	Scilly							
Scarborough ...	29.87	39	39	SSE	1	0	4	London	29.95	51	49	SW	2	c	*
Greencastle ...	29.78	39	39	NE	2	r	*	Rochefort ...	30.19	59	52	SSW	4	bc	3
Holyhead	29.76	41	39	SSW	5	m	4								

Pressure has not changed much since the morning and the depression over the Irish Sea appears to be filling up.

EXPLANATION OF COLUMNS.

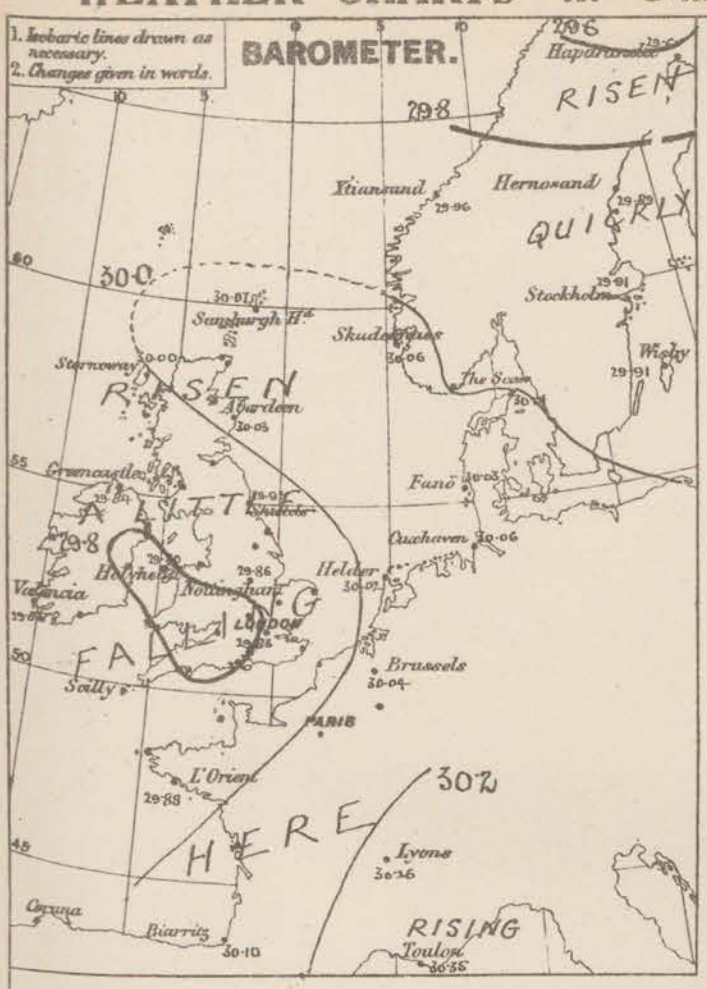
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

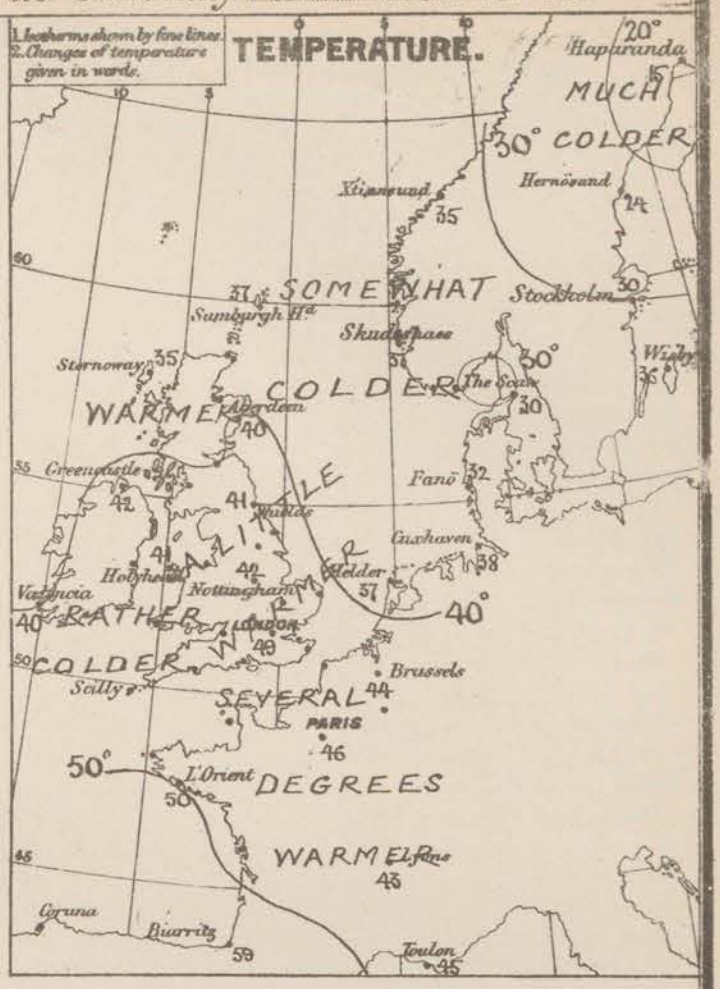
* AN ASTERISK is inserted in all places for which information is not usually received.

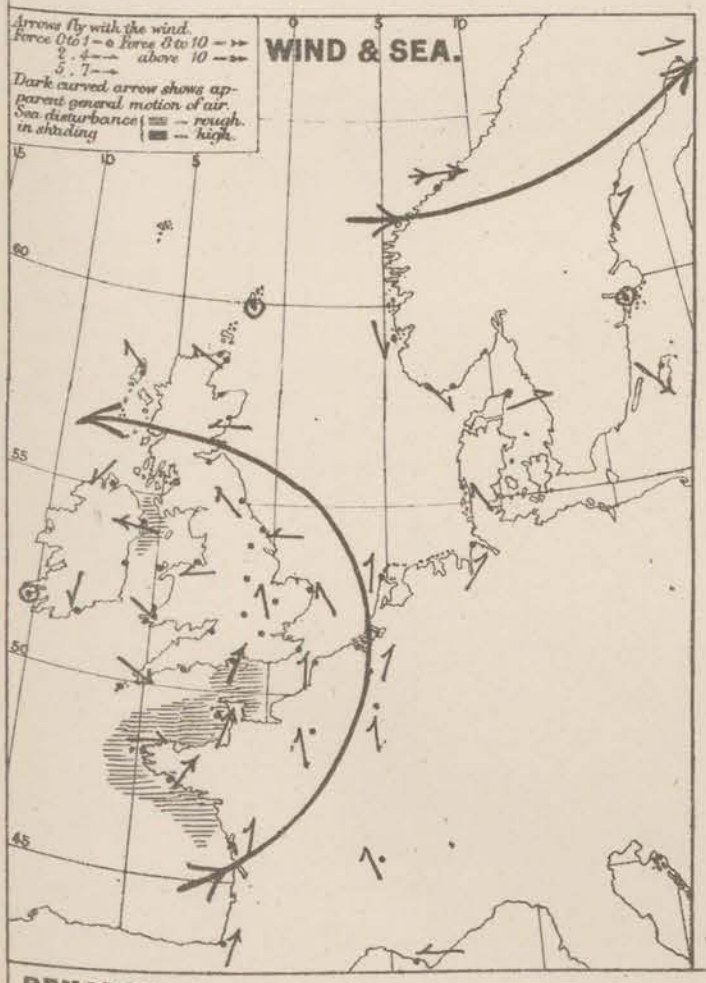
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

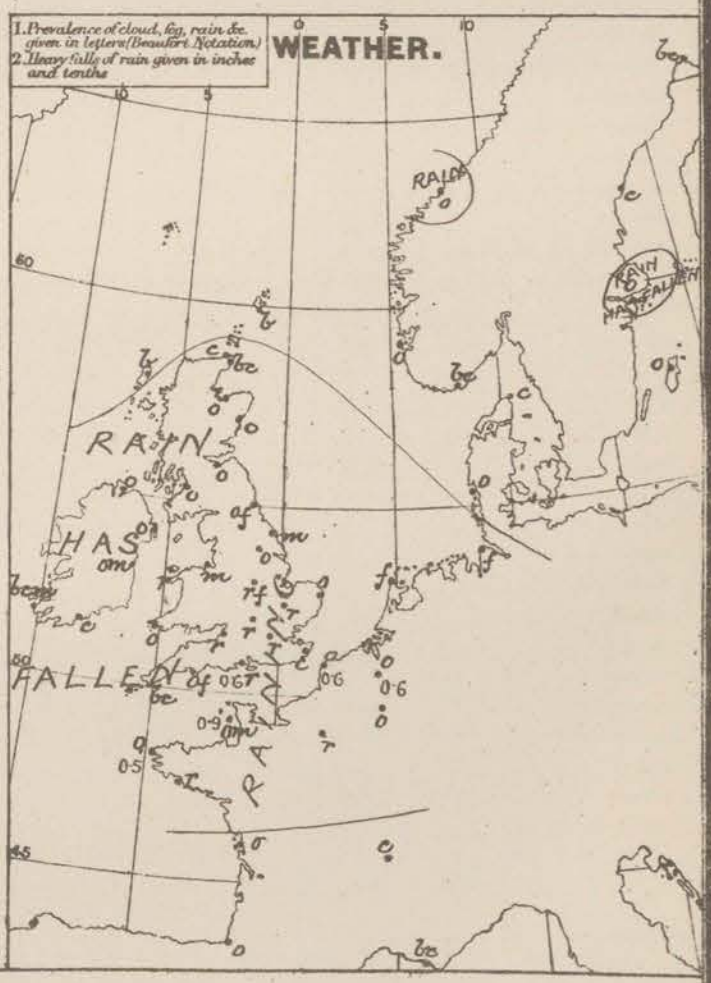
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Thursday 14th Feb.y 1878.









REMARKS. Weather is clear at Stornoway and Sumburgh Heads, but in all other parts of our area the sky is overcast or cloudy, while at many stations fog or mist is reported; over the S.E. of England rain is falling. Rain has occurred generally, heavily at the Channel stations. Temperature has risen briskly over North Germany, and at our E.n and N.n stations, but has fallen in the S.W and over Norway; it varies from 35° to 41° in Scotland, from 40° to 42° over Ireland, and from 40° to 50° over England. Wind is strong in Jersey at Jersey and Donaghadee moderate to light elsewhere; it is S.E. to S.W. over France and the Channel, E.S.E. in the N. Sea is rough in the S.W, moderate to slight on our other coasts.

Barometrical Indications. Pressure has changed little and irregularly over W.n Europe. It is highest over the S of France, while low readings are shown both over the W. of England and N. of Sweden.

Warnings. The South Cow was lowered on our S.W. S. and E. coasts last evening.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/- per quarter, book post 5/- per quarter.

Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT. Secretary.

DAILY WEATHER REPORT FEBY. 15TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.68	16	N	2	o	29.79	+ .18	9	8	− 6	N	2	o	*	19	5	–
Hernösand ...	29.93	30	N	2	b	29.90	+ .01	28	26	+ 4	N	2	c	*	*	*	–
Stockholm ...	29.95	30	NSW	2	o	30.02	+ .11	28	28	− 2	N	4	f	*	*	*	–
Wisby	29.95	34	NNW	4	b	30.02	+ .11	31	30	− 5	N	6	o	*	*	*	–
Christiansund ...	30.02	36	N	4	r	29.95	− .01	39	37	+ 4	SW	3	o	46	39	34	0.12
Skudesnaes ...	30.03	33	NNE	2	b	30.03	− .03	32	32	− 5	Z	o	f	2	37	?	–
Oxö (Xtiansand)	30.03	33	NNW	2	b	30.10	+ .12	33	32	+ 3	SW	2	f	2	36	27	–
Skagen (The Skaw)	30.09	35	NSW	3	o	30.10	+ .09	34	33	+ 4	NSW	3	o	2	37	27	–
Fanö	30.11	34	S	2	o	30.11	+ .08	33	33	+ 1	SE	3	o	*	34	33	–
Cuxhaven ...	30.10	38	SSW	1	f	30.14	+ .08	39	39	+ 1	SSW	1	f	*	?	36	–
Sumburgh Head	30.07	38	Z	o	b	29.95	− .12	40	38	+ 3	?	4	bo	4	45	33	–
Stornoway	29.93	39	ESE	1	b	29.77	− .23	42	40	+ 7	SE	1	o	4	42	35	0.01
Thurso	30.03	38	SE	2	o	29.83	− .22	41	41	+ 5	ESE	3	r	3	44	34	0.02
Wick	30.02	38	?	4	o	29.84	− .18	42	42	+ 4	E	5	r	4	44	36	0.08
Nairn	29.99	36	E	1	o	29.82	− .19	39	38	+ 3	Z	o	o	1	40	35	–
Aberdeen ...	30.00	40	E	2	o	29.84	− .19	41	40	+ 1	S	2	b	2	43	39	0.25
Leith	29.92	40	E	4	r	29.87	− .10	41	40	+ 1	SSW	3	o	*	43	38	0.10
Shields	29.86	41	ESE	4	r	29.97	+ .04	38	37	− 3	NSW	3	of	3	43	36	0.29
Scarborough .	29.83	42	SSE	4	r	30.01	+ .08	40	39	o	SW	1	r	2	44	38	0.32
York	29.79	45	E	2	m	30.00	+ .09	39	38	− 2	S	1	o	*	46	36	0.44
Nottingham ...	29.86	40	NSW	1	b	30.03	+ .17	37	37	− 5	S	1	c	*	48	35	0.18
Ardrossan ...	29.85	41	NE	4	r	29.82	− .07	43	41	+ 2	S	2	o	2	43	40	0.12
Greencastle ...	29.81	43	E	2	r	29.76	− .08	38	37	− 4	SSE	1	c	*	44	36	0.21
Donaghadee ...	29.79	41	SE	5	o	29.81	− .01	42	42	+ 1	S	3	bo	3	43	38	0.31
Kingstown ...	29.80	42	S	1	o	29.79	+ .02	45	44	+ 5	SSE	4	ob	3	45	39	0.01
Holyhead ...	29.81	43	SW	1	m	29.86	+ .06	44	43	+ 3	SSE	2	o	1	46	40	0.01
Liverpool (Bidston)	29.83	42	SW	1	bo	29.94	+ .11	40	39	− 2	SE	2	bo	1	44	38	0.04
Valencia	29.50	45	SSE	1	c	29.70	− .15	50	49	+ 10	SW	4	cm	4	57	39	0.10
Roche's Point...	29.56	42	SW	3	c	29.72	− .12	47	46	+ 6	SW	4	rm	4	47	41	0.28
Pembroke ...	29.85	45	N	1	c	29.85	+ .05	46	46	+ 4	SE	5	ro	4	46	41	0.08
Portishead ...	29.88	44	NSW	3	o	29.96	+ .17	46	44	+ 3	SSE	4	c	2	49	39	–
Scilly																	
Plymouth ...	29.91	46	SW	1	b	29.95	+ .17	50	49	+ 5	S	4	of	*	50	41	0.04
Hurst Castle ...	29.89	46	NSW	3	b	30.05	+ .30	47	46	− 3	S	3	ow	3	50	39	0.45
Dover	29.91	45	SSW	3	o	30.13	+ .21	40	40	− 5	Z	o	f	o	48	37	0.04
London	29.90	49	NSW	1	c	30.07	+ .24	39	39	− 10	SE	2	o	*	50	36	0.16
Oxford	*	*	*	*	*	30.06	+ .28	40	39	− 4	SE	1	f	*	49	38	0.10
Cambridge ...	29.88	45	SW	1	r	30.08	+ .24	35	34	− 8	SW	1	bc	*	50	35	0.12
Yarmouth ...	29.89	43	S	3	o	30.09	+ .18	40	40	− 2	SW	1	bcm	1	44	38	0.05
The Heldar ...	*	*	*	*	*	30.08	+ .06	43	43	+ 6	SSW	1	f	*	*	*	–
Cape Gris Nez	29.93	48	S	5	r	30.13	+ .29	41	41	− 7	SSW	3	c	2	54	41	0.16
Jersey	29.97	46	N	2	c	30.09	+ .26	48	48	− 1	S	4	c	4	52	43	0.15
Brest	29.96	52	NSW	2	m	30.02	+ .18	50	50	+ 2	SW	4	m	4	52	45	0.04
L'Orient	30.01	48	N	3	o	30.11	+ .23	50	50	o	SSW	4	m	5	54	45	0.08
Rochefort ...	30.07	52	SW	4	o	30.17	+ .09	50	48	+ 4	SSE	3	o	3	54	41	–
Biarritz	30.13	59	NNE	2	o	30.19	+ .09	57	48	− 2	Z	o	o	3	68	46	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.15	+ .11	47	46	+ 3	S	4	o	*	51	?	0.04
Charleville ...	*	*	*	*	*	? 30.13	+ .07	44	*	+ 4	SSE	3	o	*	*	*	*
Paris	30.03	49	SSW	3	r	30.19	+ .13	48	46	+ 2	SW	3	b	*	*	*	0.04
Lyons	*	*	*	*	*	30.33	+ .07	48	*	+ 5	S	2	p	*	*	*	*
Toulon	30.28	43	ESE	2	o	30.28	− .07	48	46	+ 3	N	3	b	3	50	43	0.04

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.04	36	35	NW	4	o	2	Valencia	29.83	46	43	SW	1	r	2
Thurso	30.06	42	41	SE	2	bc	2	Scilly							
Scarborough ...	29.84	43	43	SE	6	r	5	London	29.80	50	49	SSE	3	gd	*
Greencastle ...	29.86	43	42	ENE	3	o	*	Rochefort ...	30.05	50	48	SSW	4	r	3
Holyhead	29.81	45	43	SSW	1	m	0								

Pressure is changing slightly and irregularly. The south-easterly wind has increased to a strong breeze at Scarboro' with a rough sea.—

EXPLANATION OF COLUMNS.

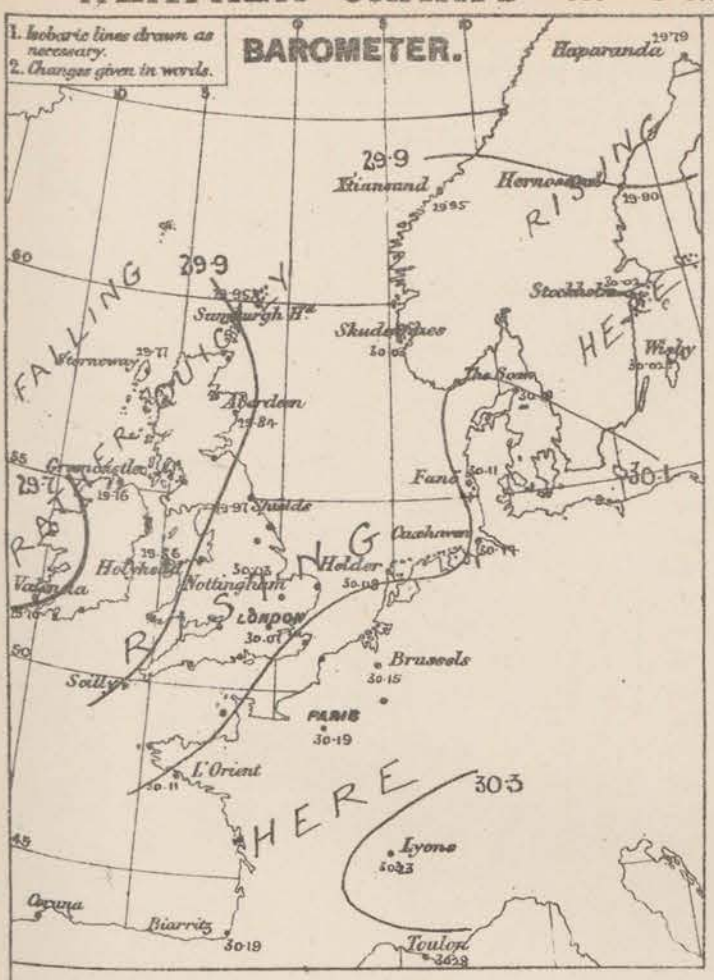
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally: r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

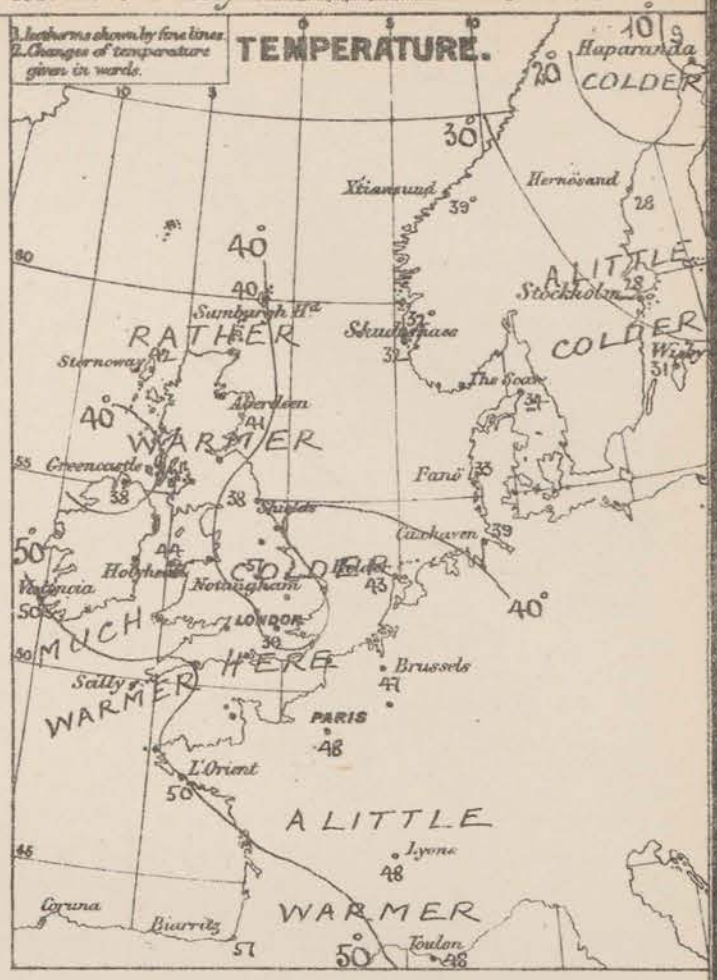
* AN ASTERISK is inserted in all places for which information is not usually received.

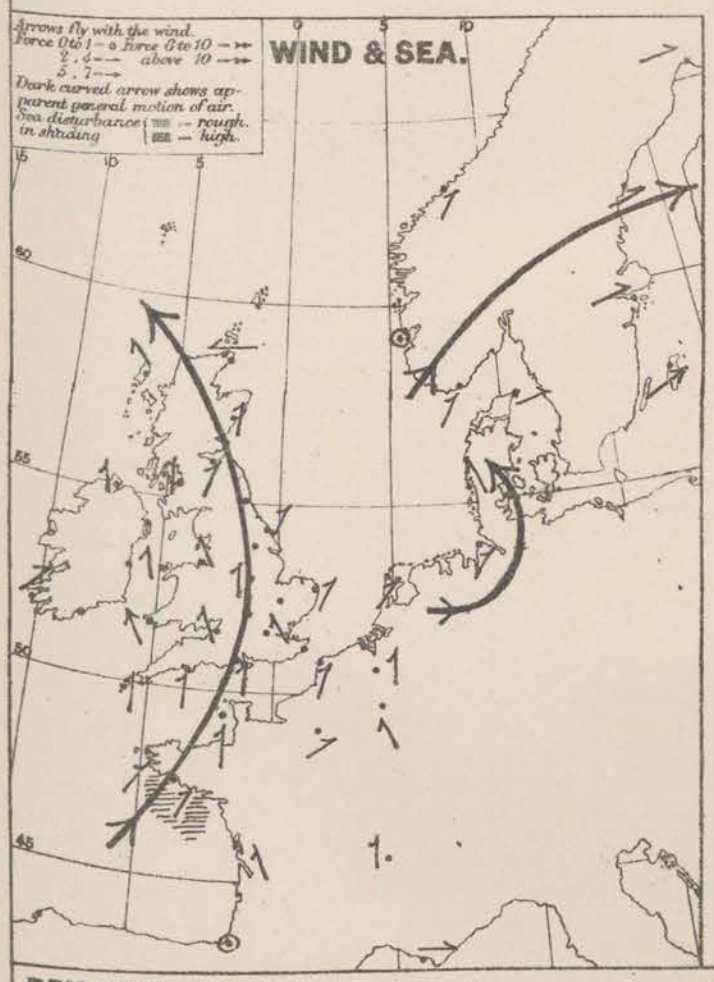
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

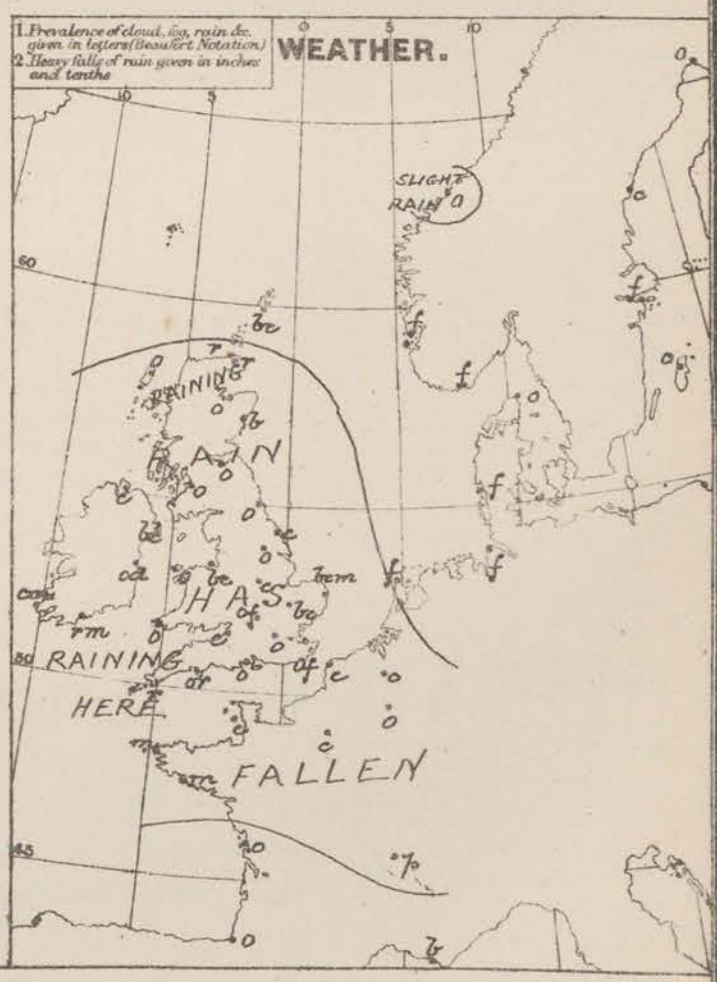
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Friday 15 Feby. 1878.









REMARKS. Weather is overcast or cloudy over nearly the whole of Wn. Europe, with fog and mist at several stations, rain on our SW. coasts, and in the extreme N. of Scotland. Rain occurred generally yesterday. Temperature has risen briskly on our SW. coasts, while it has fallen equally quickly in the SE, elsewhere the changes are slight; it varies from 39° to 43° over Scotland, from 38° to 50° over Ireland, and from 35° to 51° over England. Wind is SWly over France, and in the SW. of Ireland, S by E to SE by S on our other coasts, it is moderate in force generally. Sea is rough at L'Orient, moderate to slight on other coasts. Barometrical Indications.— Pressure is decreasing on our Wn. and Nn. coasts, but is increasing in the east and south. It is highest over Central France, and lowest off the W. coast of Norway.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 2/- per quarter, book post 5/- per quarter.

Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT Feby 16th 1878

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade	Wind. Direc.	Wind. Force. (0 to 12).	Weather	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 A.M. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 A.M. yesterday.	Wind. Direc.	Wind. Force. (0 to 12)	Weather	Sea (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	?	19	SE	2	o	29.69	− .10	11	10	+ 2	NNW	2	b	*	19	?	–
Hernösand ...	29.81	36	Z	0	o	29.82	− .08	34	31	+ 6	NNW	2	b	*	*	*	–
Stockholm ...	29.98	31	SW	6	o	29.91	− .11	30	28	+ 2	NNW	6	o	*	*	*	–
Wisby	30.04	31	NW	4	o	29.96	− .06	34	32	+ 3	NW	6	o	*	*	*	–
Christiansund ...	29.92	39	SW	3	c	29.84	− .11	35	32	− 4	ESE	3	c	3	39	32	–
Skudesnaes ...	29.98	39	SSE	4	o	29.86	− .17	39	37	+ 7	SE	6	pf	4	39	32	–
Oxö (Xtiansand)	30.05	35	WSW	2	f	29.93	− .17	34	33	+ 1	NNE	2	r	1	36	32	0.08
Skagen (The Skaw)	30.07	35	SW	2	m	29.97	− .13	34	33	0	SW	2	f	1	06	27	–
Fanö	30.11	36	WSW	2	f	30.05	− .06	40	40	+ 7	WSW	4	f	*	?	32	–
Cuxhaven ...	30.17	46	SW	1	o	30.15	+ .01	44	44	+ 5	W	3	f	*	?	37	0.05
Sumburgh Head	29.78	42	S	4	o	29.67	− .28	45	44	+ 5	WSW	4	c	4	45	37	0.12
Stornoway	29.62	44	SSE	2	ow	29.62	− .15	43	42	+ 1	SSW	6	c	5	44	39	0.04
Thurso	29.71	40	S	2	bo	29.71	− .12	39	39	− 2	S	1	bm	2	47	30	0.20
Wick	29.73	43	S	4	o	29.74	− .10	41	40	− 1	SSE	2	b	2	47	40	0.05
Nairn	29.70	43	Z	0	r	29.76	− .06	40	38	+ 1	Z	0	b	0	46	38	0.05
Aberdeen ...	29.79	43	S	2	o	29.82	− .02	40	38	− 1	SSW	2	b	2	44	38	0.06
Leith	29.75	45	S	3	o	29.88	+ .01	45	44	+ 4	SW	4	bc	*	49	40	0.03
Shields	29.84	46	SSW	4	r	30.03	+ .06	47	44	+ 9	SW	4	qf	2	48	37	0.03
Scarborough .	29.88	46	S	2	o	30.11	+ .10	42	41	+ 2	SW	2	o	2	48	39	0.04
York	29.90	46	S	2	m	30.11	+ .11	42	41	+ 3	S	2	o	*	46	39	0.09
Nottingham ...	29.95	49	SSW	3	o	30.19	+ .16	43	42	+ 6	SSW	4	o	*	50	37	0.09
Ardrossan ...	29.94	46	SSW	2	o	29.84	+ .02	47	45	+ 4	S	4	r	5	48	43	0.29
Greencastle ...	29.67	46	W	2	o	29.72	− .04	48	46	+ 10	WSW	3	r	*	48	37	0.08
Donaghadee ...	29.80	45	SW	4	bc	29.84	+ .03	46	46	+ 4	SSW	6	bc	4	46	40	0.19
Kingstown ...	29.86	50	W	3	b	29.91	+ .12	51	47	+ 6	S	5	c	4	52	44	0.04
Holyhead ...	29.88	48	SW	5	bc	30.00	+ .14	47	46	+ 3	SSW	5	m	4	49	43	0.07
Liverpool (Bidston	29.89	48	SW	4	b	30.06	+ .12	47	43	+ 7	S	4	c	2	50	40	–
Valencia	29.90	50	SW	6	cw	29.85	+ .15	53	51	+ 3	SSW	8	ogm	7	54	49	0.07
Roche's Point...	29.96	48	W	4	bc	29.96	+ .24	49	48	+ 2	SW	3	tm	4	53	46	0.18
Pembroke ...	30.00	48	WSW	3	b	30.12	+ .27	47	46	+ 1	S	4	o	4	50	45	0.23
Portishead ...	30.03	49	SSW	3	o	30.21	+ .25	46	45	0	S	4	c	4	53	40	0.12
Scilly																	
Plymouth ...	30.10	50	SW	2	o	30.25	+ .30	48	48	− 2	S	3	o	*	53	46	0.06
Hurst Castle ...	30.03	49	SW	6	fd	30.27	+ .22	47	46	0	SSW	5	og	5	50	44	0.07
Dover	30.11	49	SW	2	o	30.35	+ .22	44	43	+ 4	SW	2	o	2	48	40	0.06
London	30.05	52	S	2	od	30.27	+ .10	45	44	+ 6	SW	2	o	*	57	39	0.02
Oxford	*	*	*	*	*	30.24	+ .18	43	43	+ 3	SSW	1	of	*	57	40	0.04
Cambridge ...	30.07	47	SW	1	r	30.23	+ .15	41	40	+ 6	SW	1	c	*	50	34	0.05
Yarmouth ...	30.05	44	S	3	o	30.24	+ .15	42	41	+ 2	SW	2	cm	2	48	38	0.03
The Helder... ...	*	*	*	*	*	30.23	+ .15	42	42	− 1	SW	2	bc	*	*	*	0.04
Cape Gris Nez	30.13	50	S	4	o	30.37	+ .24	45	45	+ 4	SW	3	f	2	52	?	0.08
Jersey	30.27	45	WSW	4	o	30.36	+ .27	46	46	− 2	S	3	f	3	54	45	0.01
Brest	30.21	52	NW	2	m	30.33	+ .31	46	45	− 4	S	3	m	4	?	45	0.04
L'Orient	30.24	50	W	3	m	30.43	+ .32	45	45	− 5	SE	2	m	5	04	41	0.04
Rochefort ...	30.29	52	W	3	o	30.37	+ .20	46	46	− 4	ESE	4	m	4	57	43	–
Biarritz	30.25	59	NE	1	o	30.38	+ .19	48	45	− 9	ESE	1	o	3	66	45	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.36	+ .21	46	45	− 1	SW	5	o	*	52	46	–
Charleville ...	*	*	*	*	*	? 30.32	+ .19	46	*	+ 2	SSW	1	o	*	*	*	*
Paris	30.25	52	SSW	2	o	30.41	+ .22	47	46	− 1	SW	1	o	*	*	*	–
Lyons	*	*	*	*	*	30.39	+ .06	49	*	+ 1	S	2	m	*	*	*	*
Toulon	30.37	48	Z	0	c	?	?	48	46	0	Z	0	m	2	55	46	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.04	37	36	SSE	6	f	4	Valencia	29.81	52	47	SW	5	bcm	5
Thurso	29.76	46	44	SSE	3	bm	3	Scilly							
Scarborough ...	29.95	47	45	S	2	o	2	London	30.06	51	50	S	1	om	*
Greencastle ...	29.66	45	44	S	2	o	*	Rochefort ...	30.22	57	54	SSE	3	o	3
Holyhead	29.79	48	48	SSW	5	d	3								

Pressure still decreases in the north-west and north, but is recovering again in the south-west. The winds have veered to south or south-west.

EXPLANATION OF COLUMNS

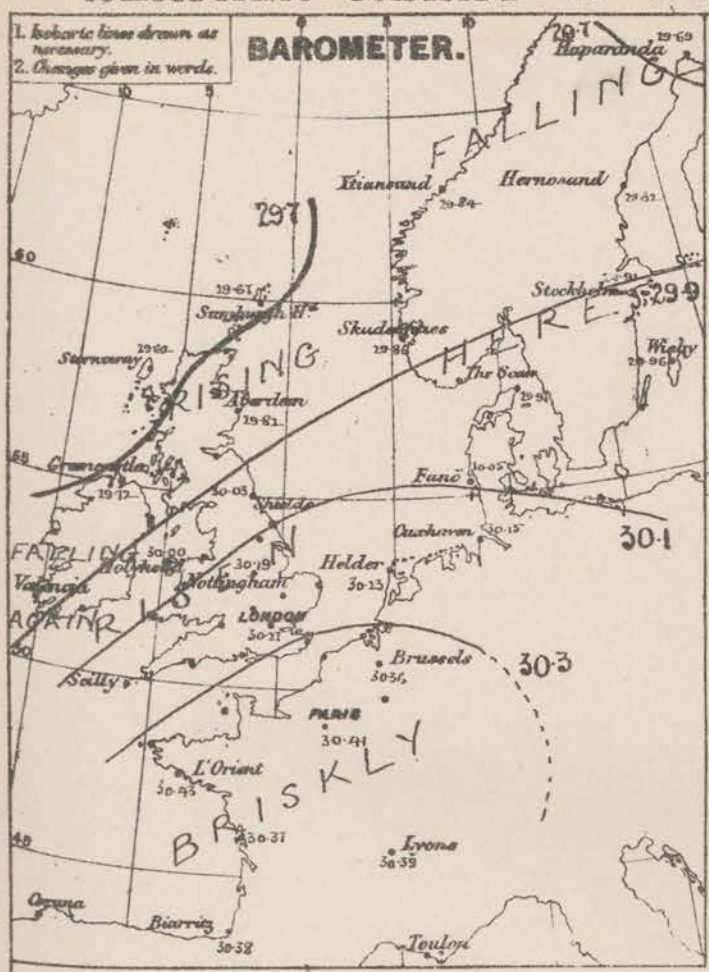
WEATHER.—*Beaufort Scale* is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly threatening; v. visibility, unusual transparency; w. dew.

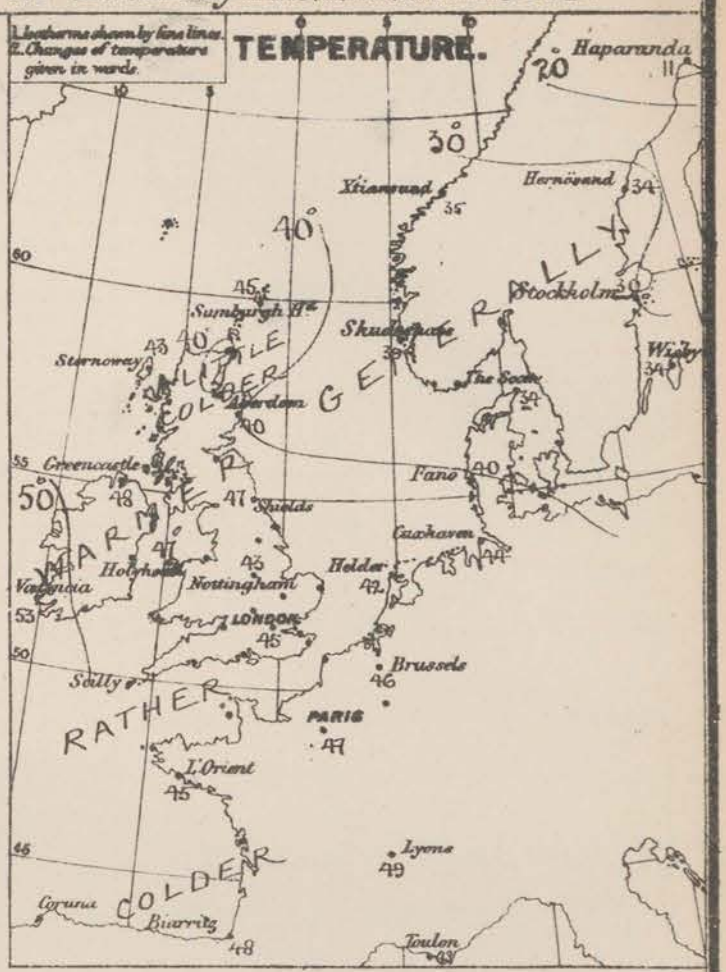
* AN ASTERISK is inserted in all places for which information is not usually received.

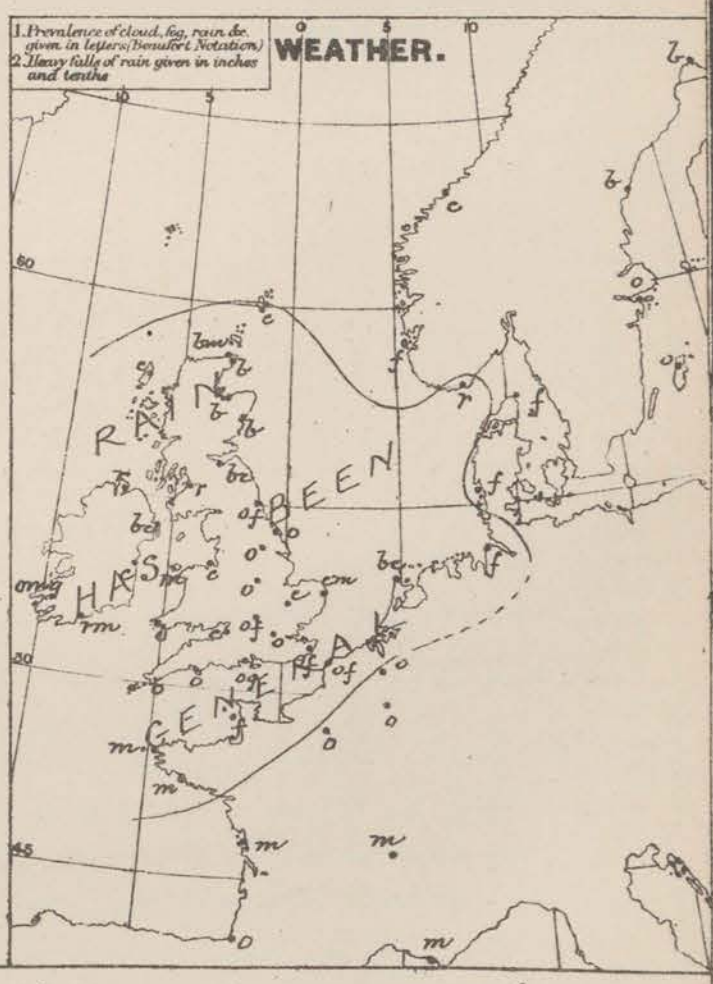
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Saturday 16 FEB.y 1878.







REMARKS. Weather is locally clear in the NE. of Scotland, but is overcast or very cloudy elsewhere, with rain at our NWn stations, and in the S. of Norway. Fog or mist in many places. Lunar halo was seen at Cuxhaven last evening. Rain has fallen generally but in slight amounts. Temperature has fallen in the SW. of France, and in the extreme N. of Scotland, risen in all other places; it varies from 53° in the S. of Ireland to 41° in the SE of England, and 39° in Caithness. Wind is ESE over the Bay of Biscay, and SE½E in the W. of Norway, on our coasts it is S½E or SSE. It is light or moderate in force except at a few of our Wn stations, at Valentia a hard gale from S was experienced early this morning, but it has since veered to SSW and moderated a little. Sea is very rough off the W. of Ireland, rough near the Hebrides, moderate to slight elsewhere.

Barometrical Indications.- Pressure is giving ways in the SW. and over the countries to the Em of the Baltic Sea, but is increasing in all other places. Readings are highest over Central France, lowest to the NWm of Scotland.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT. Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from FEBY 10TH *to* FEBY 16TH 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The weather during this period has been rather unsettled though comparatively quiet, slight depressions have advanced over our western coasts and rather fresh south-easterly breezes have been experienced on our east coast but elsewhere the winds have been light or moderate. Temperature has oscillated rather largely and the sky has been generally cloudy or overcast with a good deal of fog or mist. In the early part of the week the rainfall was slight, but towards the close it became more extensive.

FEBY 10TH Pressure was decreasing over the whole of western Europe, the change over Great Britain being rather brisk. Readings were highest (30·20 ins.) over Central France, lowest (29·6 ins.) over Sweden, but a slight depression appeared to be lying over Ireland. Wind was easterly to north-westerly in the countries to the eastward of the North Sea, blowing strongly at Christiansund and Thisby. On our own and the French coasts it varied between west and south & south-east and was light or moderate in force. Temperature had fallen over Scotland and Scandinavia, risen in most other places, rapidly in the north-west of France. In the southern and central parts of France the weather was very cold, Rochefort being 20° colder than Valentia and 9° colder than London. The sky was overcast, with rain, fog and mist at many stations, snow at Cuahavan. In the evening the barometer was still falling but the decrease being greatest in France readings had become more uniform.

FEBY 11TH The mercury was still falling in the S. and rising in the N. so that a band of very uniform pressure existed over these Islands and France. Within this band readings were a little above 29·9 ins. and thence they decreased to 29·8 ins. at Valentia, and to 29·6 ins. in Sweden. Very light airs prevailed on most of our coasts, but over the Bay of Biscay and south of Ireland a moderate easterly breeze was reported, and over the North Sea a moderate N^ly breeze. Temperature had risen fast in the south-west of France, but elsewhere it had changed irregularly and generally slightly. Weather was clear in Norway as well as over the east and north of England and north of Ireland, cloudy or overcast elsewhere with some fog or mist. Pressure increased everywhere during the day but readings remained very uniform.

FEBY 12TH Pressure was increasing over the whole of western Europe, the change had, however, been much greater in the east than in the west so that while a large area of high and uniform readings was shown over Great Britain and the North Sea, moderate gradients had been formed on our western coast, moderate to strong E^ly to SE^ly were reported at the south western and western stations, while in the east calms prevailed. Temperature had fallen slightly and varied from 31° at Nairn to 48° at Valentia. Sky was clear in all the more N^rn parts of our area cloudy and foggy in the South, with rain in the south of Ireland. The barometer fell rather briskly in the S^rn during the day while it still rose in the east, so that gradients increased and the wind in the S^rn increased to a fresh gale during the night.

FEBY 13TH Pressure had increased slightly over north Germany and the eastern parts of France and decreased in all other places, two depressions had appeared during the night, one over the N. of Scandinavia, the other over our north-western stations, and the fall of the barometer had been brisk in both

localities. Wind was governed by these disturbances; it was northerly in the south of Ireland, south-westerly to southerly in the Channel, south-easterly on our east coast, and easterly in the north, while over Scandinavia it was south-westerly to westerly; in force it was moderate to fresh. Temperature had risen fast at our south-eastern stations as well as over Sweden and Norway, but elsewhere it had fallen. Weather was overcast with much rain. During the day the position of the system did not change much, but the barometer rose except in the east and the depression was apparently filling up.

FEB^Y 14TH Pressure had changed very little. A slight depression lay over our western coasts, while the highest readings were reported from the south of France. Wind was southerly or south-westerly over France, the Channel and the south-eastern stations, south-easterly to easterly in the east and north; at Jersey and Donaghadee it blew strongly but on our other coasts it was light or moderate in force. Temperature had risen briskly in the S.E. as well as over Scotland, but had fallen slightly both at our south-western stations and in Norway. Weather was dull generally and over the greater part of England, rain was falling. No change of importance occurred during the day.

FEB^Y 15TH The mercury had risen over France, north Germany and our southern and eastern stations, but fallen over Ireland and Scotland. Readings continued highest over the south of France, while a slight depression was approaching the west coast of Ireland. Wind was south-westerly in the north of France, south-easterly on most of our coasts, and easterly in Caithness; it was generally moderate in force. Temperature had fallen briskly in the south-east of England, risen elsewhere, several degrees in the south-west, it varied from 50° at Valentia to 35° at Cambridge. Weather remained dull in most places. Rain was falling in the north of Scotland and on our south-west coasts. The depression noticed above travelled slowly N^TH along our western coasts during the day and the wind veered to south-west.

FEB^Y 16TH Pressure was increasing over France and the greater part of these Islands but was decreasing on our extreme western coasts and over Norway. A large area of low readings lay off the N.W. of Scotland, while a fresh depression was apparently advancing towards the south-west of Ireland. Wind was easterly in the south-west of France, but southerly in the north and over the whole of this country; it was blowing a fresh gale at Valentia, and strongly at some of the other western stations, but was moderate in most places. Temperature had fallen in the extreme north-east, and in the west of France, but had risen elsewhere. Sky remained cloudy and foggy except in the north-east of Scotland. In the afternoon and evening the barometer was still falling at Valentia with a southerly gale and gradients were becoming steeper.

Meteorological Office,
116 *Victoria Street, Westminster, S.W.*
ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT FEBY 17TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from last yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from last yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall
Haparanda	29.89	1	W	2	b	29.83	+ .14	13	13	+ 2	S	2	o	*	?	-2	–
Hernosand	29.93	23	Z	0	b	29.91	+ .09	18	18	– 16	Z	0	c	*	*	*	–
Stockholm	29.94	25	NSW	2	b	29.98	+ .07	31	31	+ 1	SSW	2	f	*	*	*	–
Wisby	29.96	36	W	4	o	29.97	+ .01	39	36	+ 5	WNW	6	r	*	*	*	–
Christiansund	29.74	37	SE	1	c	29.71	– .13	40	37	+ 5	SSW	1	o	4	?	32	–
Skudesnaes	29.89	42	SSE	6	rf	29.91	+ .05	43	43	+ 4	SSE	6	rf	4	?	39	0.16
Christiansand (Christiansund)	30.00	37	SSW	2	f	30.01	+ .08	39	39	+ 5	SSW	4	f	2	?	36	–
Skagen (The Skaw)	30.04	40	W	3	o	30.06	+ .09	39	39	+ 5	W	3	m	1	41	40	0.24
Fanö	30.15	40	WSW	4	o	30.19	+ .14	41	41	+ 1	WSW	4	f	*	41	39	–
Cuxhaven	30.29	45	WSW	5	o	30.32	+ .17	44	44	0	WSW	3	o	*	46	45	
Sumburgh Head	29.55	44	SW	2	o	29.64	– .03	47	45	+ 2	SSW	4	o	5	48	41	0.09
Stornoway	29.63	45	SW	4	r	29.52	– .10	49	48	+ 6	SSW	8	c	6	51	42	0.18
Thurso	29.68	46	E	2	o	29.61	– .10	48	46	+ 9	S	6	o	4	52	38	0.03
Wick	29.72	45	W	2	o	29.64	– .10	47	44	+ 6	SSW	6	bq	3	50	40	0.02
Nairn	29.73	47	Z	0	r	?	?	48	45	+ 8	Z	0	bc	1	53	39	0.06
Aberdeen	29.80	48	SSW	3	c	29.78	– .04	49	47	+ 9	SSW	4	c	2	52	40	–
Leith	29.86	51	SW	4	o	29.84	– .04	49	47	+ 4	SW	6	c	*	54	45	0.02
Shields	29.99	50	WSW	4	c	30.00	– .03	50	48	+ 3	SW	2	o	2	53	44	–
Scarborough	30.07	50	SW	2	o	30.06	– .05	48	47	+ 6	SSW	2	o	2	51	42	–
York	30.10	50	SSW	2	o	30.07	– .04	49	47	+ 7	S	3	c	*	54	40	0.01
Nottingham	30.19	48	S	2	o	30.15	– .04	48	46	+ 5	SSW	3	o	*	51	42	–
Ardrossan	29.86	48	SSW	3	r	29.83	– .01	48	47	+ 1	S	4	o	5	50	47	0.15
Greencastle	29.78	50	SSW	4	o	29.72	.00	50	47	+ 2	SSW	4	o	*	51	45	0.04
Donaghadee	29.89	53	S	5	c	29.82	– .02	48	48	+ 2	SSW	6	o	4	54	46	0.01
Kingstown	29.97	52	S	4	o	29.86	– .05	51	49	0	S	6	c	4	55	49	–
Holyhead	30.07	48	SSW	5	r	29.97	– .03	47	47	0	SSW	5	m	4	50	46	0.05
Liverpool (Hoylake)	30.10	51	SW	2	o	30.03	– .03	48	46	+ 1	SE	2	c	1	54	45	–
Valencia	29.89	53	S	8	bc	29.69	– .16	53	51	0	S	8	cy	6	55	51	0.02
Roche's Point	30.03	50	SW	4	o	29.85	– .11	49	48	0	SSW	5	rm	5	53	47	0.22
Pembroke	30.16	48	SSW	4	o	30.03	– .09	47	46	0	SSE	3	b	4	49	44	–
Portishead	30.22	50	SW	5	c	30.14	– .07	48	46	+ 2	SSW	5	cw	3	52	44	–
Scilly																	
Plymouth	30.26	50	Z	0	cd	30.16	– .09	47	46	– 1	SE	3	b	*	52	46	0.05
Hurst Castle	30.27	48	SSW	5	m	30.25	– .02	48	47	+ 1	SSE	2	b	4	50	45	0.01
Dover	30.33	45	SW	3	b	30.33	– .02	46	46	+ 2	NSW	2	bo	1	47	44	0.01
London	30.30	50	SSW	2	cmd	30.27	.00	48	47	+ 3	SSW	3	c	*	54	45	0.01
Oxford	*	*	*	*	*	?	?	48	47	+ 5	S	2	o	*	51	43	–
Cambridge	30.26	48	SW	2	o	30.20	+ .03	47	47	+ 6	S	2	o	*	51	39	–
Yarmouth	30.23	47	SSW	2	c	30.24	.00	47	46	+ 5	SSW	3	cm	2	49	41	0.04
The Helder	*	*	*	*	*	30.29	+ .06	44	44	+ 2	SSW	2	f	*	*	*	0.04
Cap Gris Nez	30.34	46	SSW	4	b	30.32	– .05	46	46	+ 1	S	3	bc	2	46	43	–
Jersey	30.38	49	S	2	o	30.30	– .06	46	46	0	SE	3	cm	4	50	45	–
Brest	30.30	?	S	4	m	30.23	– .10	46	46	0	SE	3	b	5	50	43	–
L'Orient	30.38	48	S	3	m	30.29	– .14	46	46	+ 1	SE	3	m	5	50	41	0.04
Rochefort	30.39	55	ESE	1	b	30.34	– .03	45	45	– 1	SE	4	o	3	64	41	–
Biarritz	30.35	61	Z	0	b	30.33	– .05	55	48	+ 7	SSE	2	o	4	66	45	–
Corunna	*	*	*	*	*	30.24		55	*		N	3	f	1	*	*	*
Brussels	*	*	*	*	*	30.39	+ .03	47	46	+ 1	SW	3	o	*	52	44	–
Charleville	*	*	*	*	*	? 30.40	+ .08	44	*	– 2	SW	1	o	*	*	*	*
Paris	30.43	52	S	3	o	30.41	.00	43	43	– 4	SSE	3	f	*	*	*	–
Lyons	*	*	*	*	*	30.58	+ .19	50	*	+ 1	S	4	o	*	*	*	*
Toulon	30.56	50	W	1	m	30.63	?	45	45	– 3	NE	3	m	2	54	46	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes	29.90	42	41	S	2	f	4
Thurso	29.64	49	47	SSW	3	o	3
Scarborough	30.04	50	47	SW	3	o	2
Greencastle	29.73	50	48	SW	2	o	*
Holyhead	30.03	48	48	SSW	5	d	4

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Valencia	29.90	54	52	SSW	8	mg	7
Scilly							
London	30.30	52	49	S	3	o	*
Rochefort	30.40	64	59	ESE	2	m	0

The barometer, after rising a little during this morning has begun to fall again at Valentia since noon, where a fresh SSW. gale is still reported, with a gloomy, misty appearance and a high sea. Warnings – issued to Ireland and to both shores of the Irish Sea.

EXPLANATION OF COLUMNS.

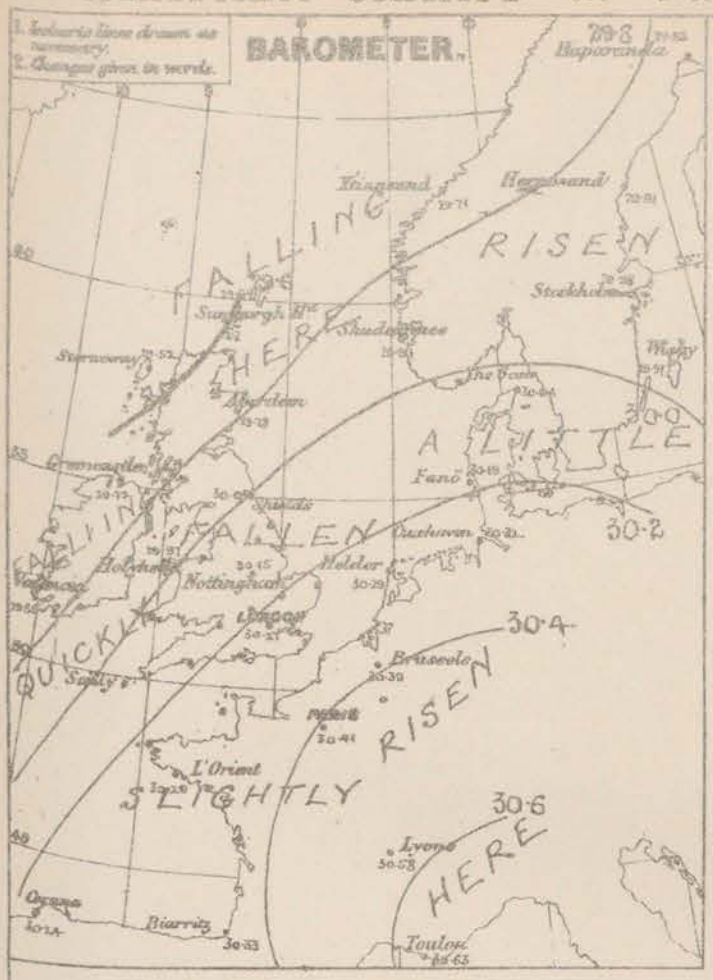
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

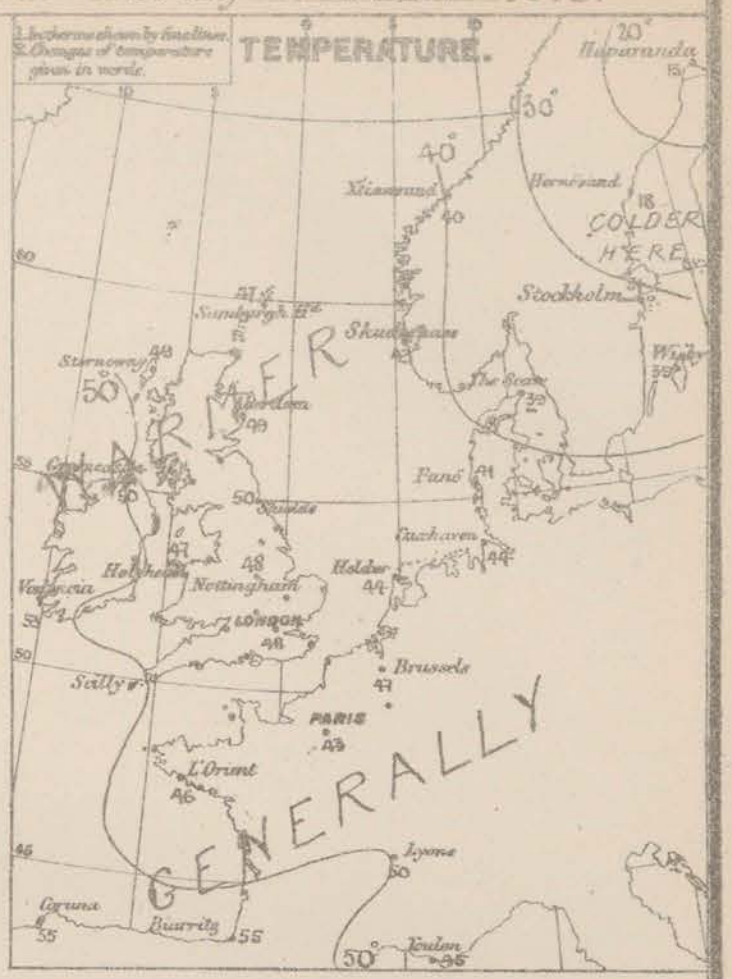
* AN ASTERISK is inserted in all places for which information is not usually received.

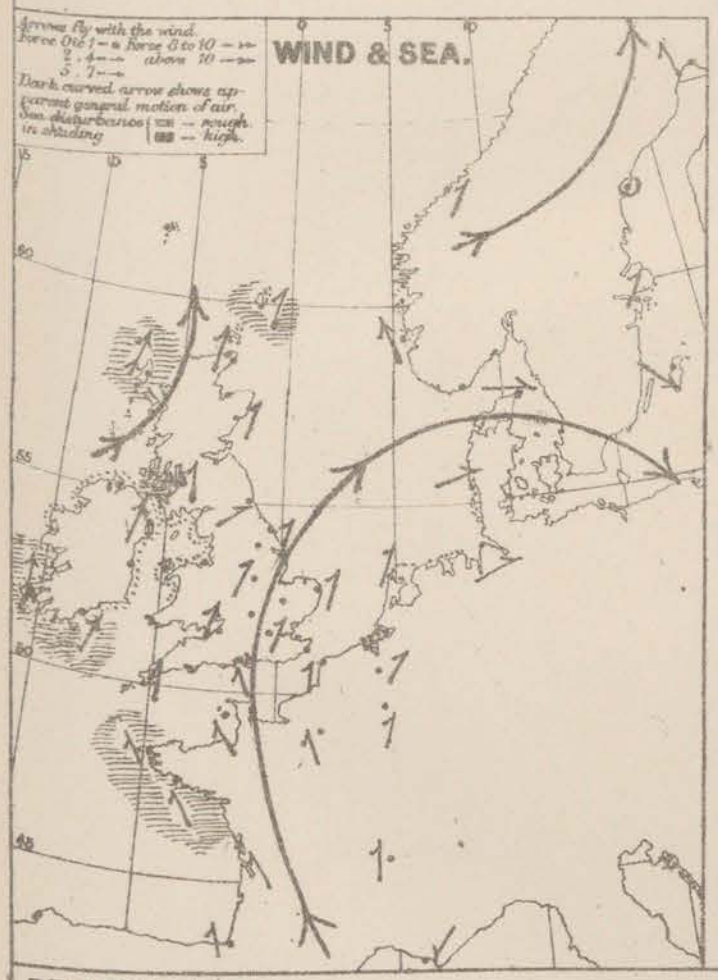
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

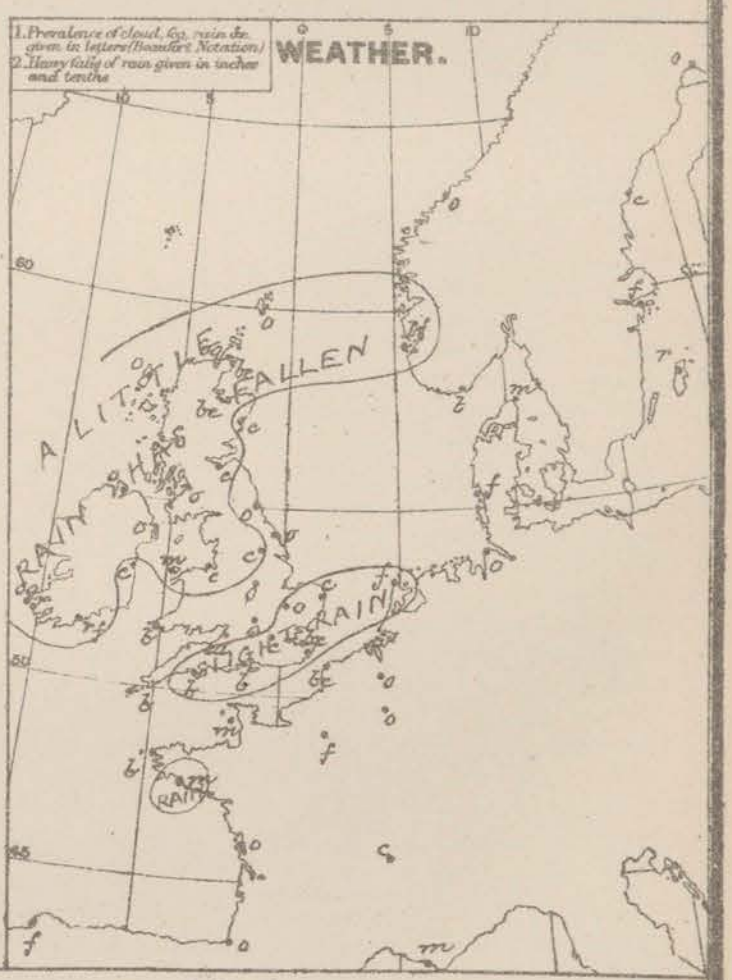
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Sunday 17th FEB.y 1878.









The darkest line is drawn round the coasts to which the signals are up.

REMARKS. Weather has undergone a gradual, but very decided change from the quiet foggy period of a few days ago to one of warmth, rain and wind. The sky is at present very cloudy to the W, with rain and fog in the S. of Ireland, but is clear in the S and SE. A little rain fell at several stations on Saturday. Temperature has become very high all over the United Kingdom and France. The readings this morning being as high as 49° in many parts of Scotland and England and 53° at Valentia. In the SW. of France it rose to 66° in the shade during yesterday afternoon. Wind is strong from SSW. on our W. coasts; at Valentia and Stornoway it blew a gale from S. On our E. and S. coasts a light SSW wind is felt, while in the Bay of Biscay it is moderate from SE. Sea is very rough off our exposed W. coasts, moderate or slight elsewhere.

Barometrical Indications. Barometrical readings vary from about 30.63 in. over the S. of France, to 29.5 in. in the Hebrides. Depressions are following one another quickly from SW. to NNE. outside our W. coasts, their E. edges having hitherto just skirted the W. part of Ireland and the Hebrides. At the same time it is observable that each one tends to spread more over than its predecessor, so that gradients are growing steeper and the winds stronger.

Warnings. The Southern Cone was hoisted on the Irish coasts, and in the NW. of St. Britain on Saturday afternoon.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/- per quarter, book post 5/- per quarter.

Meteorological Office,
116, Victoria Street, Westminster, S.W.
R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT Feby 18th 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.73	26	S	2	o	29.64	− .19	28	28	+ 15	S	2	o	*	28	12	–
Hernösand ...	29.84	21	Z	o	c	29.68	− .23	21	21	+ 3	Z	o	c	*	*	*	–
Stockholm ...	29.91	37	SSW	4	f	29.87	− .11	38	38	+ 7	WSW	4	f	*	*	*	–
Wisby	30.04	40	SW	6	r	30.00	+ .03	39	37	o	W	4	o	*	*	*	0.04
Christiansund ...	29.58	42	ESE	2	c	29.42	− .29	45	43	+ 5	WSW	5	o	4	45	37	0.16
Skudesnaes ...	29.88	42	SSE	6	f	29.71	− .20	43	42	o	SSE	8	f	5	?	?	–
Oxö (Xtiansand)	30.01	39	SSW	4	f	29.89	− .12	37	37	− 2	SSE	4	f	2	41	36	–
Skagen (The Skaw)	30.05	41	WSW	4	o	29.97	− .09	39	39	o	WSW	3	f	2	45	32	–
Fanö	30.16	40	SSW	4	f	30.02	− .17	41	40	o	SSW	4	b	*	41	37	0.04
Cuxhaven ...	30.29	47	SW	3	o	30.14	− .18	42	42	− 2	S	3	b	*	?	39	–
Sumburgh Head	29.49	44	S	6	c	29.48	− .16	44	40	− 3	SW	4	b	4	48	39	–
Stornoway	29.35	37	SSW	9	o	29.37	− .15	42	41	− 7	SW	5	o	6	37	40	0.19
Thurso	29.48	50	SSW	3	c	29.45	− .16	41	40	− 7	SSW	2	bc	3	34	38	–
Wick	29.49	49	SSW	6	bc	29.48	− .16	43	40	− 4	S	5	b	3	52	40	–
Nairn	29.53	53	WSW	2	o	29.52	?	43	40	− 5	WSW	1	bc	1	56	40	–
Aberdeen ...	29.64	46	S	2	b	29.61	− .17	43	40	− 6	SSW	4	b	2	53	41	–
Leith	29.68	53	SW	7	bc	29.70	− .14	45	43	− 4	SW	5	b	*	55	42	0.12
Shields	29.53	34	SW	4	b	29.85	− .15	45	41	− 5	SW	4	bc	2	56	42	–
Scarborough .	29.94	34	SSW	3	b	29.93	− .13	42	41	− 6	WSW	2	c	2	56	42	–
York	29.96	34	S	2	b	29.93	− .14	42	41	− 7	SW	1	bc	*	59	41	–
Nottingham ...	30.03	34	S	3	b	30.03	− .12	43	41	− 5	SSW	2	b	*	60	40	0.02
Ardrossan ...	29.66	50	SSE	5	o	29.73	− .10	46	43	− 2	SW	5	c	6	57	45	0.04
Greencastle ...	29.56	49	WSW	5	c	29.70	− .02	42	40	− 8	WSW	2	bc	*	55	39	0.05
Donaghadee ...	29.68	49	WSW	6	r	29.78	− .04	41	40	− 7	W	6	b	4	58	40	0.10
Kingstown ...	29.76	56	SSW	5	o	29.91	+ .05	46	43	− 5	WSW	4	b	3	56	45	0.10
Holyhead ...	29.83	57	SSW	5	o m	29.95	− .02	45	44	− 2	SSW	4	b	3	58	44	0.27
Liverpool (Hoylake)	29.89	55	S	3	c	29.95	− .08	45	42	− 3	WSW	3	b	1	62	43	–
Valencia	29.78	48	WSW	4	bcq	30.03	+ .34	47	44	− 6	W	4	bc	4	54	44	0.28
Roche's Point...	29.84	45	NW	3	c	30.05	+ .20	44	42	− 5	W	3	b	4	53	41	0.45
Pembroke ...	29.92	50	S	4	o	30.04	+ .01	47	45	o	WSW	3	b	4	50	45	0.03
Portishead ..	30.03	53	SSE	5	bc	30.08	− .06	45	43	− 3	SW	3	bc	4	58	42	0.10
Scilly																	
Plymouth ...	30.02	53	S	5	o	30.14	− .02	46	46	− 1	SW	3	b	*	55	46	–
Hurst Castle ...	30.14	52	SSE	1	c	30.09	− .16	46	46	− 2	WSW	3	bc	5	54	44	0.05
Dover	30.18	50	WSW	3	b	30.09	− .24	47	46	+ 1	WSW	3	or	3	51	46	0.03
London	30.15	52	S	2	b	30.07	− .20	48	46	o	WSW	3	o	*	61	48	0.03
Oxford	*	*	*	*	*	30.07	?	44	43	− 4	SW	1	c	*	59	44	–
Cambridge ...	30.13	51	S	2	b	30.03	− .17	47	46	o	SW	1	o	*	59	45	0.02
Yarmouth ...	30.13	43	S	4	bm	30.01	− .23	49	48	+ 2	SW	3	cm	2	50	42	0.07
The Helder ...	*	*	*	*	*	30.04	− .25	46	45	+ 2	S	3	bc	*	*	*	–
Cape Gris Nez	30.21	55	S	3	b	30.12	− .20	48	46	+ 2	S	4	o	3	61	?	–
Jersey	30.17	53	S	4	o	30.22	− .08	48	48	+ 2	?WNW	4	bc	4	54	46	0.09
Brest	30.12	54	S	4	m	30.26	+ .03	48	46	+ 2	WNW	3	b	4	54	45	–
L'Orient	30.20	50	SE	3	m	30.28	− .01	48	48	+ 2	WNW	3	bc	5	52	43	0.04
Rochefort ...	30.26	55	S	4	o	30.33	− .01	50	48	+ 5	S	4	r	3	59	41	–
Biarritz	30.29	59	S	4	o	30.35	+ .02	57	52	+ 2	SSW	3	o	4	68	48	–
Coruna	*	*	*	*	*			–	*						*	*	*
Brussels	*	*	*	*	*	30.17	− .22	49	46	+ 2	SSW	2	o	*	60	?	–
Charleville ...	*	*	*	*	*	? 30.19	− .21	44	*	o	SE	3	c	*	*	*	*
Paris	30.27	56	S	3	b	30.24	− .17	48	46	+ 5	SSW	2	o	*	*	*	–
Lyons	*	*	*	*	*	30.40	− .18	52	*	+ 2	SE	2	b	*	*	*	*
Toulon	30.59	48	S	2	bc	30.46	− .15	55	46	+ 3	SW	1	o	2	54	45	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.92	44	43	SSE	6	f	5	Valencia							
Thurso								Scilly							
Scarborough ...								London							*
Greencastle ...							*	Rochefort ...	30.28	59	54	SE	4	b	3
Holyhead															

EXPLANATION OF COLUMNS.

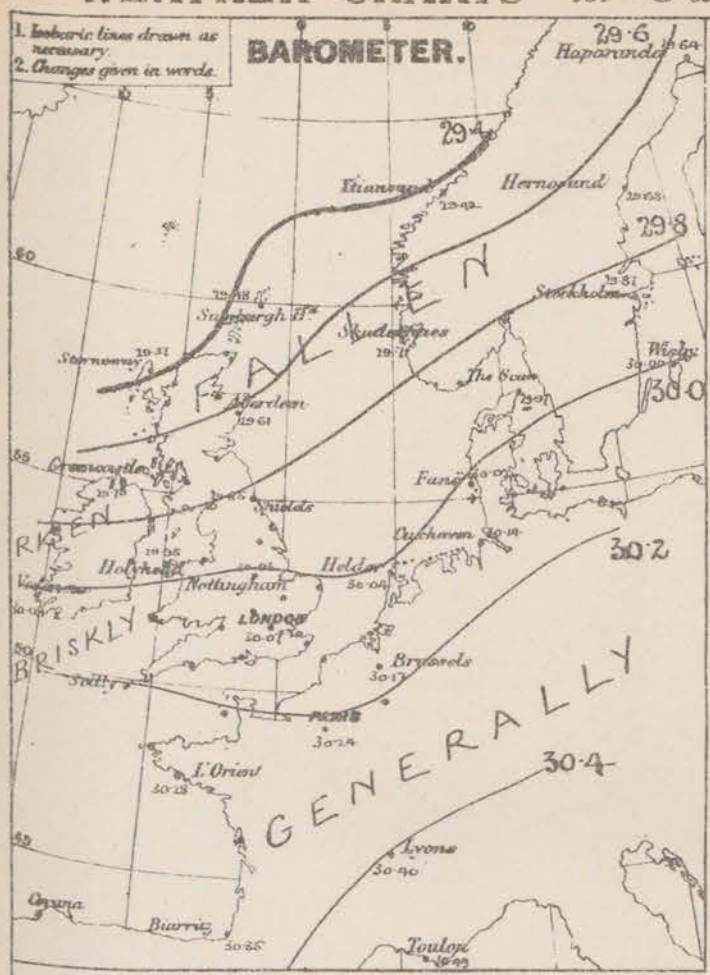
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

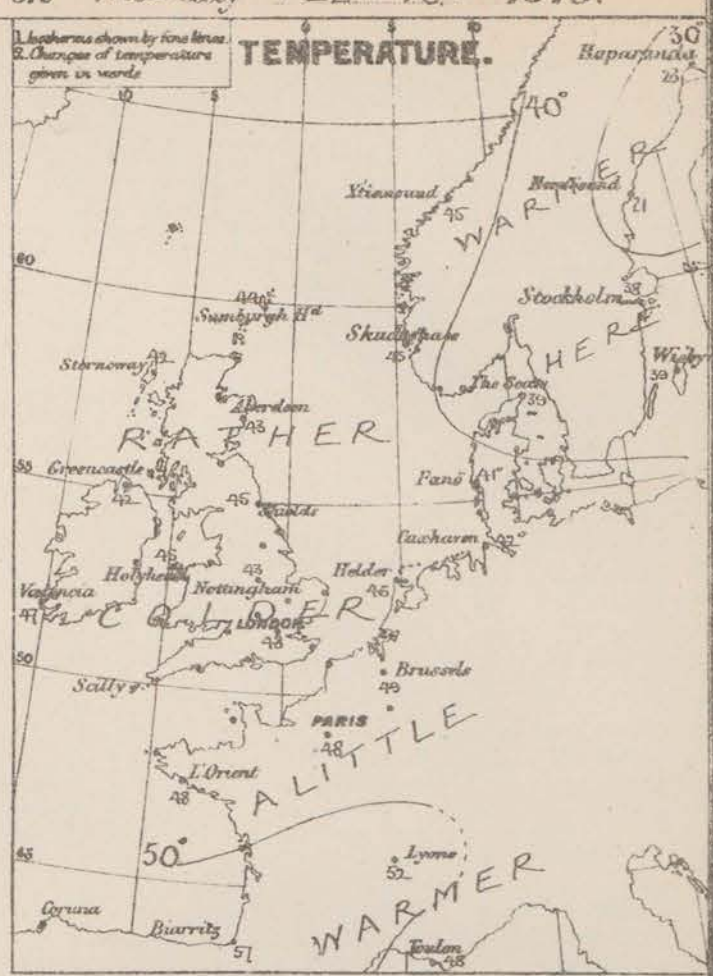
* AN ASTERISK is inserted in all places for which information is not usually received.

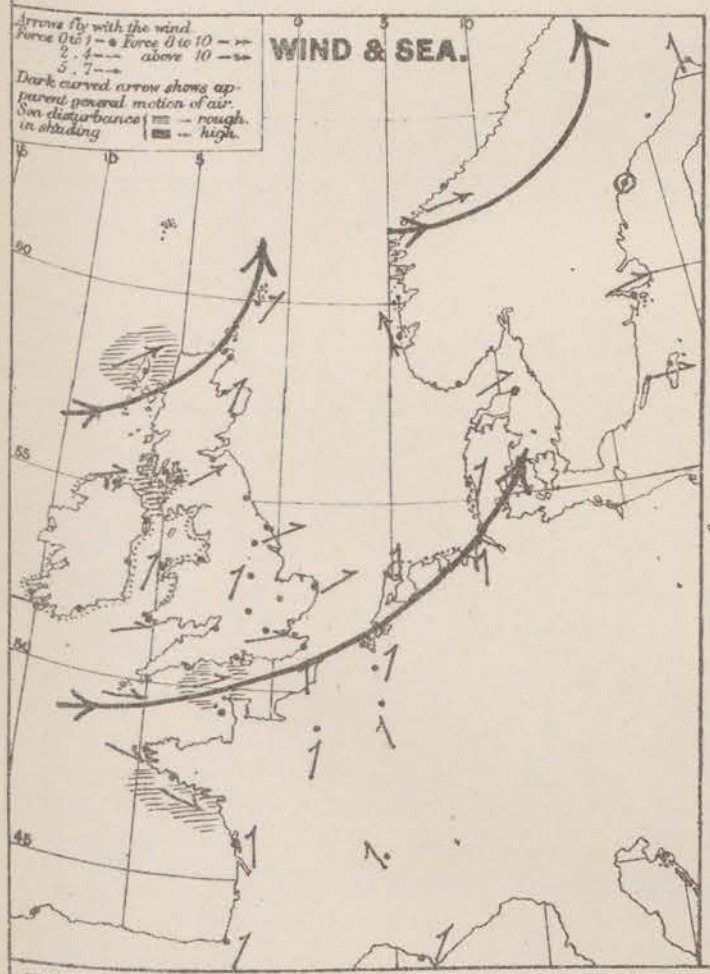
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

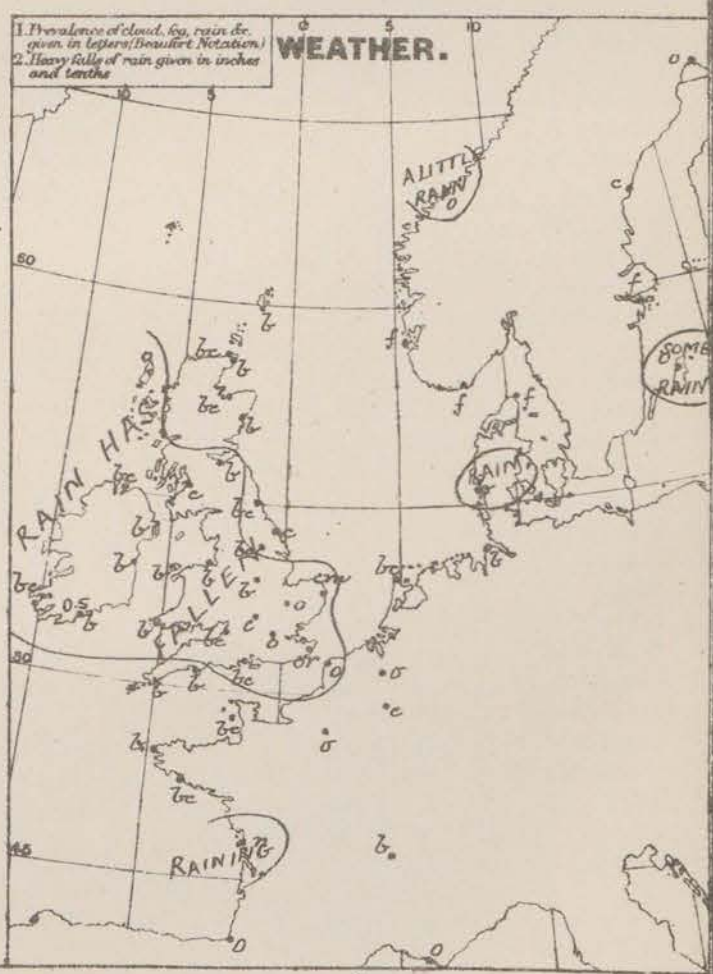
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Monday FEB.Y 18TH 1878.









Isobars and wind arrows round the coasts where the signals are displayed.

REMARKS. Weather though very fine at present over our S.W. and NE. coasts is cloudy in the E. and SE., overcast in London with rain at Dover. Rain has fallen at nearly all our W. and S. stations during the first 24 hours, and lunar halos were seen in many places last night. Temperature has fallen several degrees in the N. since yesterday, and a few degrees in the centre. It is still high for the time of year, varying from 42° in the N. of Scotland to 47° at Valentia, 48° in the NW. of France and 49° at Yarmouth. It rose to a maximum of 62° in the shade at Sfrode yesterday, to 61° in London, 60° at Nottingham, and 59° at Oxford and Cambridge. Wind is fresh from W. to SW. on our N. coasts, and a SE. gale is blowing at Skudesnaes. Over the S. parts of Ireland and England, and the N. of France it is light, and chiefly W. Strong S. winds were felt in the Irish Channel yesterday, and S. gales at Valentia, Stornoway, and on the E. coast of Scotland. Barometrical Indications. Pressure is still highest over France, and lowest off our N. coasts, but is rising very briskly in the S. of Ireland, and at the mouth of the Channel. Some shallow local depressions are found over our SE. counties and off our E. coast.

Warnings. The Storm Cone was hoisted in Ireland, N. Wales, and the NW. of St. Patrick on Saturday.

Subscription for these Charts payable in advance to cover delivery. Delivery by post 1/- per quarter, by post 3/- per quarter

Meteorological Office, 116, Victoria Street, Westminster, S.W.
R. H. SCOTT. Secretary.

DAILY WEATHER REPORT — FEBY 19TH — 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29·43	31	S	4	o	29·14	− ·50	33	32	+ 5	SW	2	o	*	?	28	—
Hernösand ...	29·50	44	WSW	4	o	29·45	− ·23	38	34	+ 17	W	2	b	*	*	*	—
Stockholm ...	29·76	40	SSW	2	c	29·71	− ·16	39	37	+ 1	SW	6	o	*	*	*	—
Wisby	29·96	36	SW	6	bc	29·91	− ·09	39	37	o	SW	6	bc	*	*	*	—
Christiansund ...	29·36	39	SSE	1	c	29·54	+ ·12	37	35	− 8	WSW	9	s	6	?	34	0·39
Skudesnaes ...	29·73	43	SSW	6	o	30·06	+ ·35	41	40	− 2	W	6	c	*	45	36	[illegible]
Oxö (Xtiansand)	29·84	40	SW	6	c	30·02	+ ·13	40	39	+ 3	WSW	4	b	3	?	37	—
Skagen (The Skaw)	29·91	40	W	4	bc	30·01	+ ·04	39	37	o	WNW	5	b	5	45	36	—
Fanö	30·07	40	WSW	4	bc	30·22	+ ·20	40	39	− 1	W	2	b	*	43	39	—
Cuxhaven ...	30·13	48	WSW	4	c	30·30	+ ·16	40	40	− 2	WNW	3	b	*	50	37	0·02
Sumburgh Head	29·51	44	NW	6	bo	30·05	+ ·37	45	42	+ 1	WNW	5	bc	6	46	39	0·14
Stornoway	29·85	43	SW	3	bc	30·08	+ ·71	43	42	+ 1	SW	3	o	4	47	37	0·07
Thurso	29·78	43	WNW	5	f	30·13	+ ·68	37	36	− 4	SSW	2	cm	3	49	36	0·06
Wick	29·76	41	W	5	b	30·14	+ ·66	40	38	− 3	SW	2	b	2	48	37	0·05
Nairn	29·85	43	W	2	o	30·17	+ ·65	37	35	− 6	W	1	o	1	48	36	0·05
Aberdeen ...	29·84	47	W	3	b	30·21	+ ·60	34	32	− 4	SW	1	b	1	51	32	—
Leith	29·94	45	W	5	b	30·25	+ ·55	38	38	− 7	NW	1	cf	*	51	36	0·01
Shields	30·02	48	WSW	5	b	30·34	+ ·49	40	38	− 5	WSW	1	g	1	52	39	—
Scarborough ..	30·07	45	WSW	2	b	30·36	+ ·43	40	39	− 2	WSW	2	b	2	51	39	—
York	30·11	47	W	2	b	30·38	+ ·45	41	40	− 1	WSW	1	b	*	54	36	—
Nottingham ...	30·20	46	WSW	1	b	30·45	+ ·42	32	32	− 11	Z	o	b	*	57	30	—
Ardrossan ...	30·02	47	WSW	4	c p	30·26	+ ·53	44	42	− 2	SSW	2	c	3	51	44	0·08
Greencastle ...	30·01	46	W	3	b	30·18	+ ·48	42	41	o	SE	2	o	*	51	36	0·06
Donaghadee ...	30·13	44	SW	4	b	30·27	+ ·49	39	39	− 2	SSW	2	o	1	50	37	0·02
Kingstown ...	30·19	49	W	3	bc	30·31	+ ·40	43	41	− 3	SE	3	c	2	52	42	—
Holyhead ...	30·19	47	SW	2	b	30·32	+ ·37	43	42	− 2	S	2	ow	1	51	42	—
Liverpool (Bidston)	30·17	45	WSW	2	b	30·37	+ ·42	41	39	− 4	SSE	2	bc	1	51	38	—
Valencia	30·27	47	W	2	bm	30·10	+ ·07	50	48	+ 3	SSE	7	ow	6	53	41	0·04
Roche's Point...	30·27	47	W	4	b	30·23	+ ·18	48	47	+ 4	S	5	ow	4	52	42	—
Pembroke ...	30·26	47	W	2	b	30·36	+ ·32	46	46	− 1	S	2	bc	3	49	44	—
Portishead ...	30·27	47	WSW	6	bo	30·42	+ ·34	42	42	− 3	SW	3	bo	3	52	39	—
Scilly																	
Plymouth ...	30·32	49	NW	2	b	30·43	+ ·29	42	42	− 4	Z	o	g	*	55	38	—
Hurst Castle ...	30·28	47	WSW	2	b	30·45	+ ·36	40	39	− 6	SE	1	bcm	3	51	35	—
Dover	30·27	45	W	3	b	30·46	+ ·37	43	41	− 4	Z	o	b	o	52	41	0·02
London	30·25	51	W	3	bc	30·46	+ ·39	37	37	− 11	Z	o	fq	*	55	36	—
Oxford	*	*	*	*	*	30·40	+ ·33	39	39	− 5	Z	o	m	*	53	39	—
Cambridge ...	30·23	45	W	1	b	30·46	+ ·43	33	33	− 14	SW	1	b	*	56	31	—
Yarmouth ...	30·18	48	WSW	2	b	30·41	+ ·40	37	37	− 12	W	2	bm	1	52	35	—
The Helder ...	*	*	*	*	*	30·37	+ ·33	41	41	− 5	WSW	1	bc	*	*	*	0·04
Cape Gris Nez	30·27	45	SW	4	b	30·45	+ ·33	41	41	− 7	S	1	b	o	50	39	0·08
Jersey																	
Brest	30·43	?	NNW	2	b	30·48	+ ·22	43	43	− 5	E	3	m	4	54	41	0·08
L'Orient	30·41	48	WNW	3	bc	30·51	+ ·23	37	37	− 11	SE	3	m	5	54	36	0·04
Rochefort ...	30·43	55	NW	5	bc	? 30·49	+ ·16	41	41	− 9	E	4	m	3	63	36	—
Biarritz	30·52	59	SW	2	f	30·51	+ ·16	46	45	− 11	E	2	g	4	59	41	0·04
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30·45	+ ·28	40	39	− 9	WSW	3	g	*	52	39	0·04
Charleville ...	*	*	*	*	*	? 30·36	+ ·17	43	*	− 1	W	1	o	*	*	*	*
Paris	30·34	57	NW	3	bc	30·50	+ ·26	41	40	− 7	WNW	1	o	*	*	*	0·04
Lyons	*	*	*	*	*	30·46	+ ·06	50	*	− 2	SE	2	o	*	*	*	*
Toulon	30·43	50	WSW	4	o	30·31	− ·18	48	46	o	W	4	b	3	55	46	—

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29·70	42	41	S	6	bf	4	Valencia	30·19	52	48	NNW	3	bcp	4
Thurso	29·52	48	46	W	5	c	4	Scilly							
Scarborough ..	29·98	49	45	WSW	4	c	5	London	30·17	54	48	W	3	bo	*
Greencastle ...	29·87	49	45	W	4	o	*	Rochefort ..	30·38	52	50	NW	4	bc	5
Holyhead	30·09	49	47	SW	4	bc	3								

The barometer is rising very generally. The wind has veered to west on all our coasts, and blows strongly at the mouth of the Tyne.

EXPLANATION OF COLUMNS.

WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transperency w. dew.

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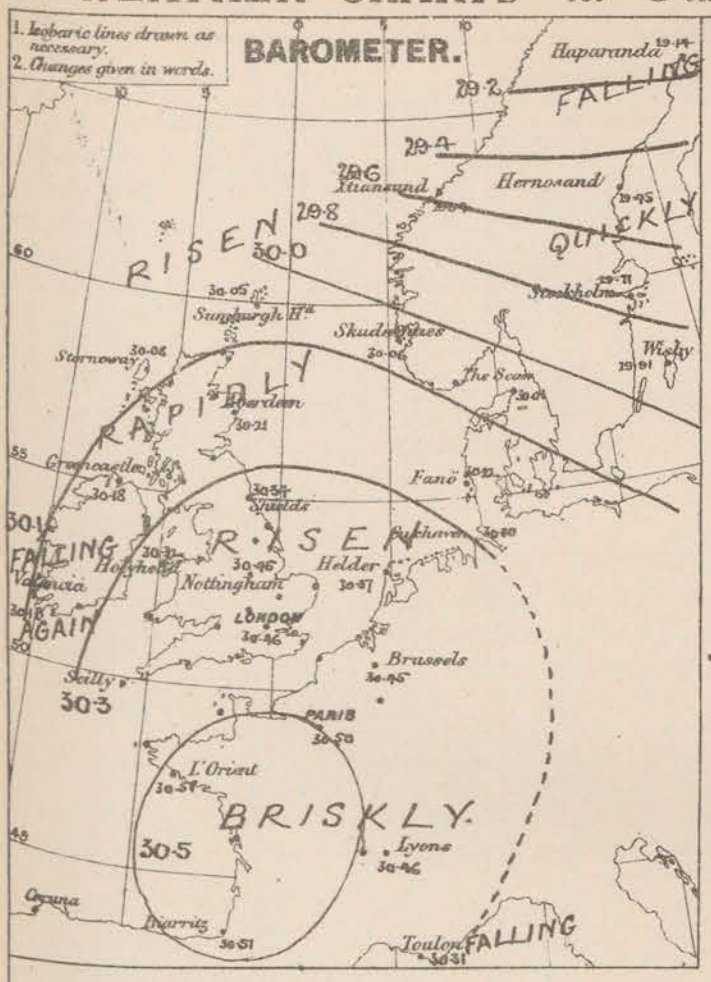
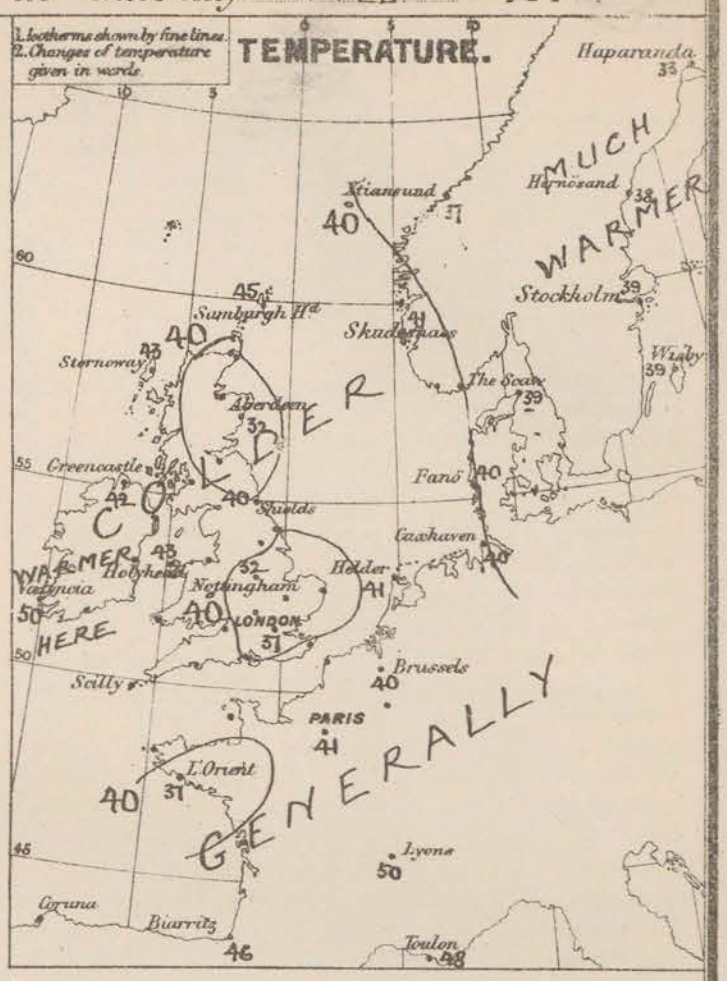
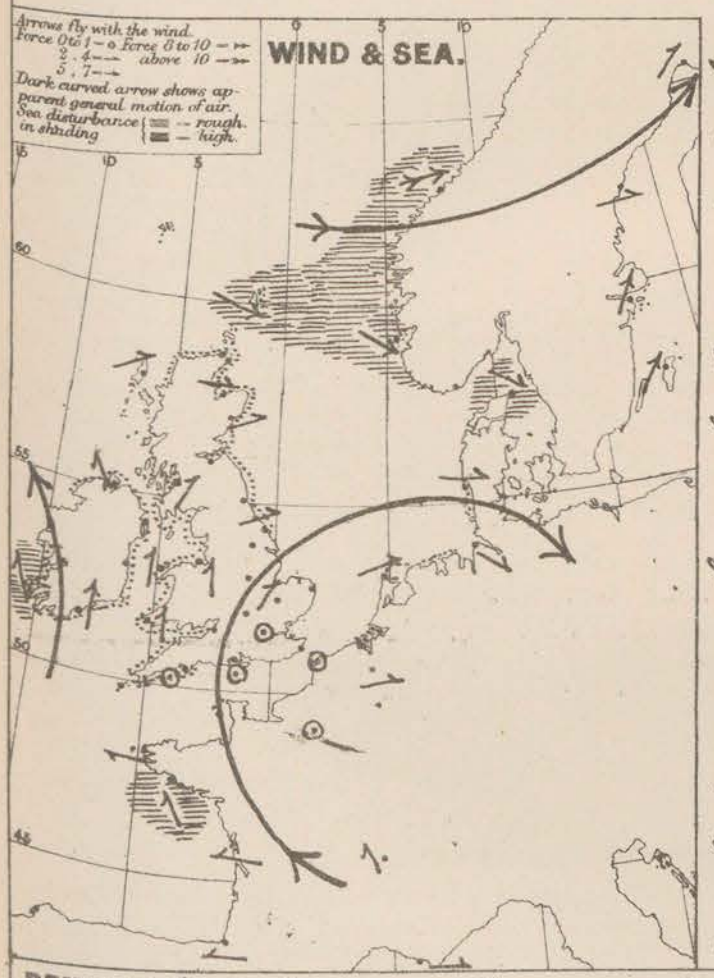
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

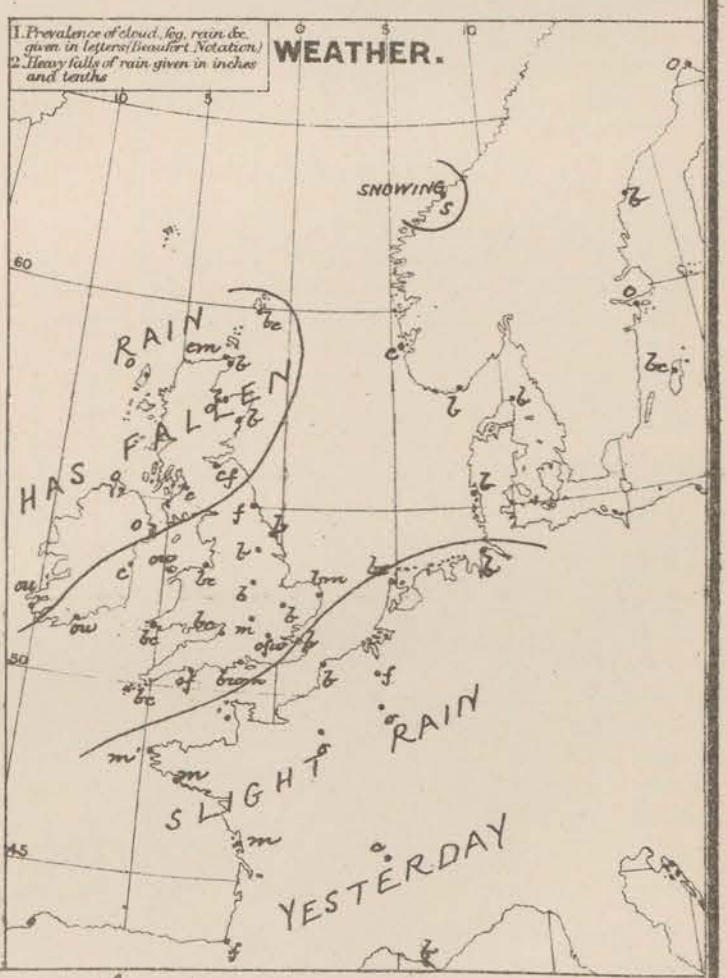
WEATHER CHARTS for 8 a.m. on Tues-day 19. FEB.Y 1878.







A letter lies in dense rows the coast where the signals have been hoisted.



REMARKS. Weather though clear over the greater part of England and the E. of Scotland, is not at all settled. In Ireland it has become overcast and threatening during the night. Thick wet fog prevails at several of our S.th stations. Temperature fell very generally last night, and is much lower over England and Scotland than it was yesterday. In Ireland, however, it is rising again. Readings now vary from 32° at Aberdeen, and 37° in the S.E. of England to 43° on our N.W. coasts, and 50° at Valentia. Wind is strong from SSE in the S. of Ireland, light SW.ly in Scotland, strong from W. in the Shetlands and W. of Norway, light from the same quarter on our NE. coasts, calm over Central England, and light E.ly in the W. of France. It blew strongly from SW. to W. on our NE. coasts yesterday afternoon. Sea is rough in the W. and N., smooth in the S. and E. Barometrical Indications. During yesterday the barometer rose very quickly over the British Isles, especially at our N.n stations, which readings are three quarters of an inch higher than they were yesterday. In the S. of Ireland, however, the mercury has begun to fall rapidly in the night, as though a new depression is advancing to our W. coasts from the Atlantic. Warnings. The South Cone has been hoisted on our W., N., and NE. coasts this morning.

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Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEBY 20TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...														*			
Hernösand ...														*	*	*	
Stockholm ...														*	*	*	
Wisby														*	*	*	
Christiansund ...	29.96	40	SW	9	r	29.94	+ .40	41	39	+ 4	W	4	b	5	41	37	0.24
Skudesnaes ...	30.30	41	WSW	4	b	30.11	+ .05	42	41	+	SE	8	g	4	43	41	–
Oxö (Ytiansand)	30.23	41	SW	4	o	30.23	+ .21	40	40	o	SW	4	g	2	43	39	–
Skagen (The Scaw)	30.23	40	WNW	5	b	30.26	+ .25	36	35	– 3	W	2	o	3	43	32	–
Fanö	30.40	37	WSW	2	b	30.36	+ .14	37	37	– 3	SW	4	g	*	43	36	–
Cuxhaven ...	30.44	43	WNW	1	f	30.45	+ .15	34	34	– 6	SSW	1	g	*	43	34	–
Sumburgh Head	30.05	43	S	3	c	29.74	– .31	44	43	– 1	SW	5	bc	5	46	37	0.02
Stornoway	29.87	46	SSW	7	ow	29.56	– .52	48	47	+ 9	SSW	9	bc	5	48	41	0.02
Thurso	29.99	43	S	2	o	29.67	– .46	43	42	+ 6	E.S.	4	bc	4	47	36	0.02
Wick	29.99	45	S	3	o	29.71	– .43	45	43	+ 5	SSW	5	b	3	46	38	–
Nairn	30.00	45	Z	0	b	29.74	– .43	45	43	+ 8	W	1	o	1	48	35	–
Aberdeen ...	30.10	44	S	3	o	29.85	– .36	44	42	+ 12	SSW	3	o	1	44	32	0.02
Leith	30.09	49	SW	2	b	29.86	– .29	48	46	+ 10	SSW	4	bc	*	49	35	–
Shields	30.22	47	SSW	4	omw	30.03	– .31	44	42	+ 4	SSW	4	o	2	47	40	–
Scarborough .	30.26	45	S	2	o	30.12	– .24	44	43	+ 4	SSW	3	o	2	48	40	0.03
York	30.29	47	S	2	c	30.12	– .26	43	43	+ 2	S	3	o	*	52	39	0.01
Nottingham ...	30.33	43	S	2	c	30.20	– .25	44	43	+ 12	S	3	o	*	53	32	–
Ardrossan ...	30.05	47	SSE	5	o	29.85	– .41	48	47	+ 4	SSW	5	r	5	48	43	0.11
Greencastle ...	29.90	48	W	4	o	29.85	– .33	46	45	+ 4	WSW	1	o	*	49	42	0.03
Donaghadee ...	30.05	47	S	5	c	29.90	– .37	47	47	+ 8	SW	4	r	4	48	38	0.09
Kingstown ...	30.08	48	SE	4	c	29.97	– .34	50	47	+ 7	W	3	c	3	50	42	0.11
Holyhead ...	30.15	47	S	5	c	30.01	– .31	47	47	+ 4	SSW	4	cq	3	48	43	0.04
Liverpool (Bidston)	30.22	45	SSE	2	c	30.08	– .29	45	44	+ 4	SE	3	o	1	50	42	0.02
Valencia	29.86	43	S	7	c	30.12	+ .02	48	46	– 2	WNW	4	cq	4	54	46	0.45
Roche's Point...	29.97	48	S	7	o	30.09	– .14	46	44	– 2	WNW	3	c	4	51	45	0.48
Pembroke ...	30.19	47	SSE	4	c	30.10	– .26	47	47	+ 1	SSW	3	c	5	48	44	0.09
Portishead ...																	
Scilly																	
Plymouth ...	30.30	47	SSW	4	b	30.17	– .26	49	49	+ 7	Z	0	odm	*	51	41	0.14
Hurst Castle ...	30.39	44	SSE	3	f	30.25	– .20	46	45	+ 6	S	5	o	5	51	36	0.06
Dover	30.44	45	SW	3	bc	30.35	– .11	42	40	– 1	SSW	5	c	4	46	40	–
London	30.41	47	S	2	o	30.28	– .18	43	42	+ 6	S	3	o	*	51	36	–
Oxford	*	*	*	*	*	30.22	– .18	44	43	+ 5	SSE	2	r	*	49	39	0.03
Cambridge ...	30.38	42	S	1	o	30.25	– .21	43	42	+ 10	S	1	o	*	51	32	–
Yarmouth ...	30.40	43	S	2	bm	30.31	– .10	41	40	+ 4	SSW	4	bm	2	47	36	–
The Helder... ...	*	*	*	*	*	30.37	.00	38	38	– 3	S	2	g	*	*	*	–
Cape Gris Nez	30.43	48	SSW	2	o	30.35	– .10	37	37	– 4	SSW	2	m	1	46	37	–
Jersey																	
Brest	30.33	?	S	4	o	30.25	– .23	50	48	+ 7	W	2	m	5	50	32	0.20
L'Orient	30.40	46	SSE	3	o	30.25	– .26	46	46	+ 9	SSE	3	r	5	50	36	0.12
Rochefort ...	30.41	52	SE	1	o	30.30	– .19	39	37	– 2	ESE	4	o	3	59	36	–
Biarritz	30.38	57	ENE	3	b	30.26	– .25	48	45	+ 2	SSW	2	c	3	61	39	–
Coruna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.42	– .03	36	35	+ 4	SW	1	g	*	46	35	–
Charleville ...	*	*	*	*	*	? 30.35	– .01	33	*	– 10	E	1	g	*	*	*	*
Paris	30.50	42	S	1	f	30.39	– .11	40	38	– 1	SSE	1	o	*	*	*	?
Lyons	*	*	*	*	*	30.41	– .05	48	*	– 2	N	2	m	*	*	*	*
Toulon	30.24	48	ESE	2	b	30.34	+ .03	46	43	– 2	E	3	m	3	55	46	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.19	43	41	W	4	b	4	Valencia	29.94	50	49	SSE	8	tgm	6
Thurso	30.07	44	43	S	2	o	3	Scilly							
Scarborough ...	30.32	47	45	SSW	1	o	2	London	30.44	48	46	SSW	2	bcm	*
Greencastle ...	30.04	46	44	S	3	o	*	Rochefort ...	30.49	48	46	SE	2	m	3
Holyhead	30.25	48	45	S	5	c	4								

The barometer is now falling on all our coasts, but most in the west. The SSE. wind has increased to a fresh gale at Valentia, with rain and a very rough sea, and the Sth wind is freshening in the Irish Channel also.

EXPLANATION OF COLUMNS.

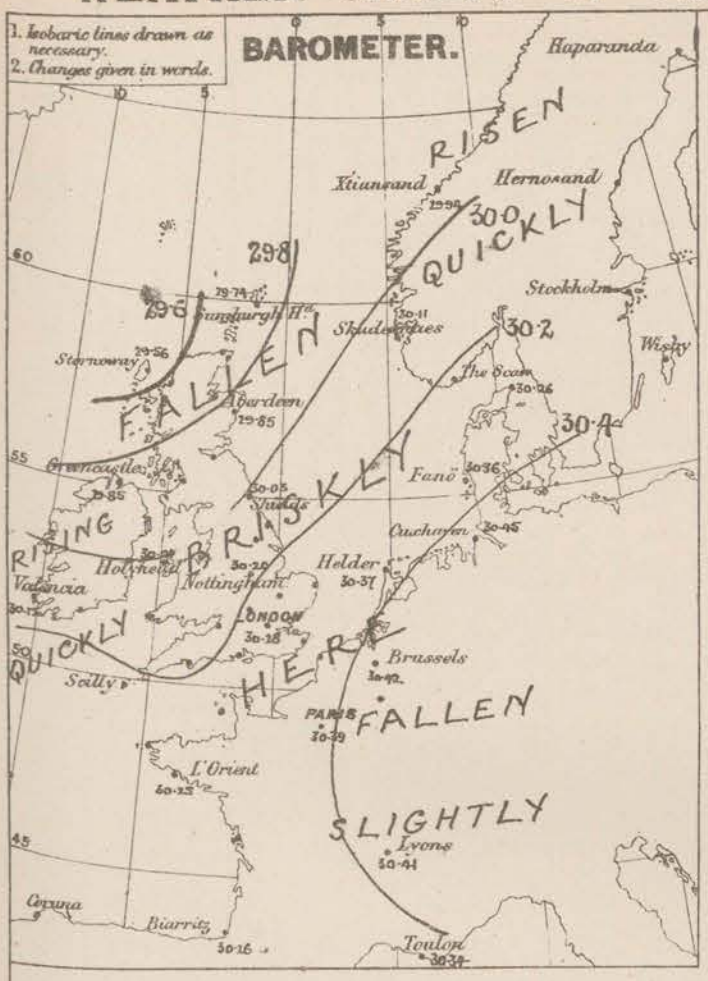
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

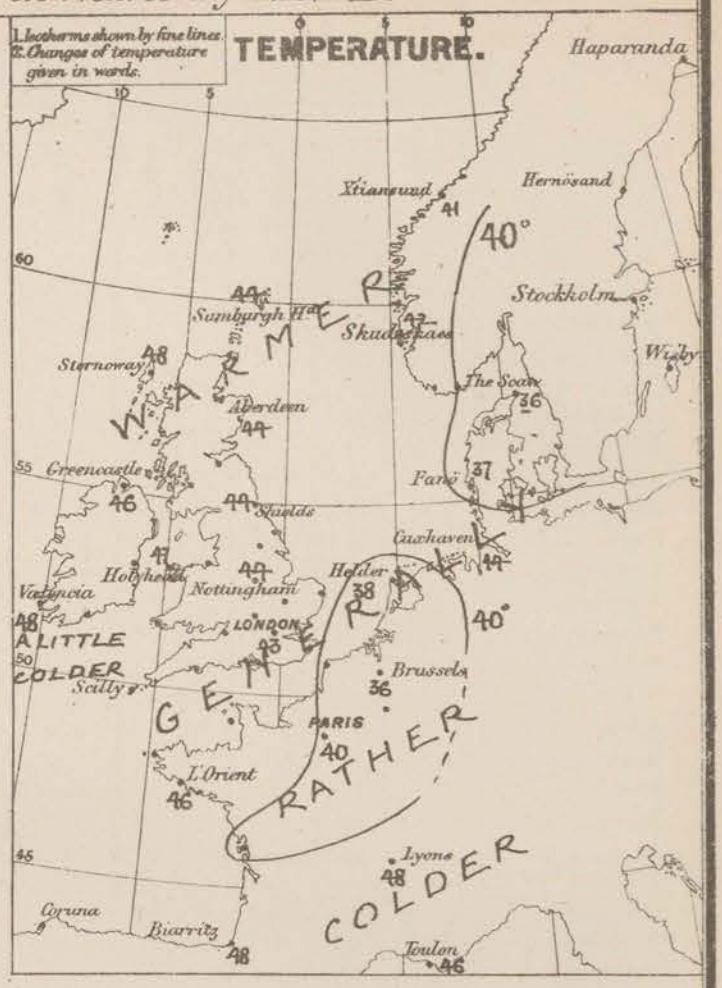
* AN ASTERISK is inserted in all places for which information is not usually received.

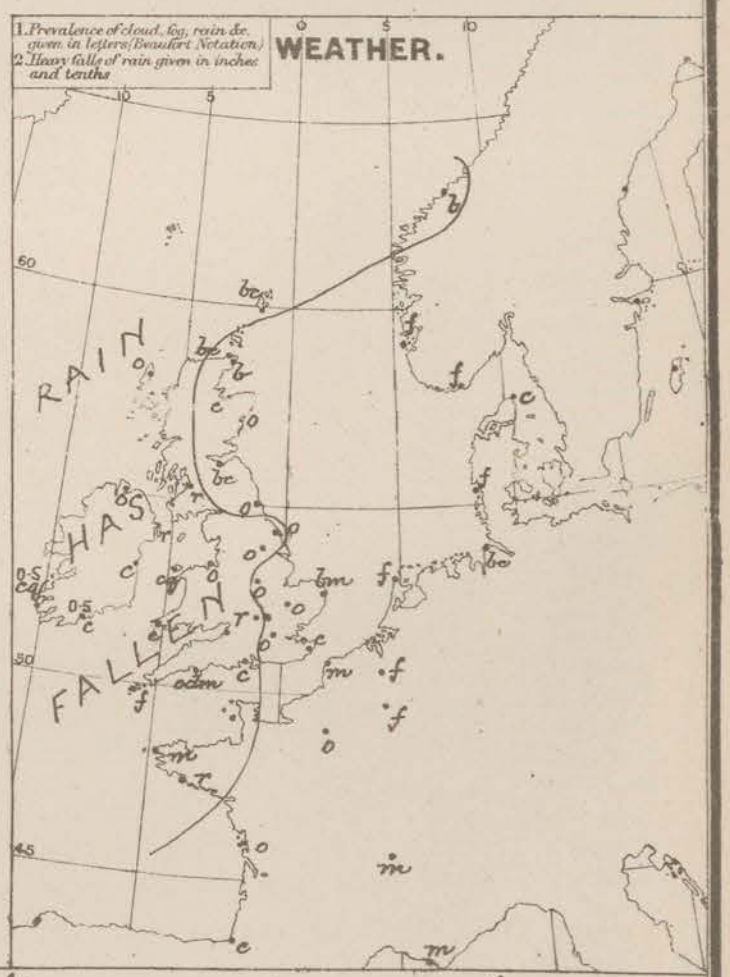
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Wednesday 20 FEB.Y 1878.







REMARKS. Weather is very dull on all but our SW. coasts, with rain at several stations, and fog at Falmouth and on the E. shores of the Baltic Sea. Rain has fallen on all our W. and SW. coasts since yesterday, but, except in the South of Ireland, the amount has been small. Temperature has risen considerably over Great Britain, but fallen a little in Ireland. It is as low as 33° to 36° in Belgium, and the NE. of France, while it is 41° at Yarmouth, 48° at Falmouth, Valentia and Stornoway, and 50° at Brest. Wind is moderate from WNW in the S. of Ireland, moderate to fresh from S over England, fresh to strong from SSW in Scotland, and blows a gale from SSW at Stornoway, and from SE at Skudesnaes. Moderate S. gales were felt on our W. and NE coasts last night. Sea is very rough in the N., moderate in the W. and S., slight or smooth in the E. Barometrical Indications — A well marked depression has travelled in a NE. direction along our extreme W. coasts during the past 24 hours. Its centre now lies to the NW. of the Hebrides, where the barometer has fallen half an inch, and a brisk recovery of pressure is in progress over the S. of Ireland. Warnings. Signals have been lowered on our W., N., and NE. coasts this morning.

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Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT. Secretary.

DAILY WEATHER REPORT FEBY 21st 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.84	21	W	2	b	29.89	+ .35	3	2	− 26	S	2	bc	*	32	0	–
Hernösand ...	30.01	29	NW	2	b	29.85	− .09	28	28	− 6	Z	0	f	*	*	*	–
Stockholm ...	30.06	36	SW	6	b	29.93	− .14	37	37	+ 3	WSW	4	o	*	*	*	–
Wisby	30.14	38	W	6	b	30.07	− .08	37	36	+ 1	SW	6	o	*	*	*	–
Christiansund ...	29.76	42	E	1	o	29.75	− .19	43	41	+ 2	WSW	6	o	5	43	37	–
Skudesnaes ...	29.94	42	SSE	4	r	?30.11	.00	43	43	+ 1	W	6	rf	4	43	41	0.12
Oxö (Xtiansand)	30.12	39	SSW	7	r	30.08	− .15	42	41	+ 2	SW	4	c	4	?	37	0.08
Skagen (The Skaw)	30.21	38	WSW	4	c	30.07	− .19	40	40	+ 4	W	5	b	5	41	36	–
Fanö	30.29	39	SW	4	c	30.25	− .11	41	41	+ 4	WSW	4	m	*	41	36	–
Cuxhaven ...	30.39	44	SSW	2	o	30.37	− .08	41	41	+ 7	WSW	2	f	*	45	32	–
Sumburgh Head	29.63	47	W	7	r	29.95	+ .21	48	47	+ 4	W	6	r	6	48	43	0.03
Stornoway	29.99	43	WNW	4	o	30.18	+ .62	49	48	+ 1	W	3	r	4	50	42	0.07
Thurso	29.89	45	W	5	c	30.10	+ .43	50	49	+ 7	WSW	2	o	3	54	40	0.03
Wick	29.89	45	NW	5	bc	30.12	+ .41	50	48	+ 5	W	3	bo	2	53	40	–
Nairn	30.01	45	W	5	bc	30.20	+ .46	50	48	+ 5	W	1	c	1	59	42	–
Aberdeen ...	29.99	50	W	3	b	30.20	+ .35	49	45	+ 5	SW	1	c	1	54	44	–
Leith	30.09	48	WSW	3	b	30.31	+ .45	49	48	+ 1	WSW	5	c	*	55	42	–
Shields	30.16	50	W	3	bc	30.41	+ .38	47	45	+ 3	W	3	o	2	52	40	–
Scarborough ..	30.18	48	WSW	2	b	30.43	+ .31	42	40	− 2	WSW	2	o	2	50	40	–
York	30.20	47	WSW	2	b	30.47	+ .35	42	40	− 1	WSW	1	o	*	52	35	–
Nottingham ...	30.28	49	WSW	1	o	30.55	+ .35	39	38	− 5	SSW	2	b	*	57	36	–
Ardrossan ...	30.17	47	W	2	o	30.38	+ .53	50	48	+ 2	W	2	o	3	50	46	0.08
Greencastle ...	30.16	46	NW	4	o	30.43	+ .58	50	48	+ 4	W	3	o	*	51	42	0.08
Donaghadee ...	30.27	48	WNW	5	b	30.46	+ .56	50	48	+ 3	W	3	bc	2	52	40	0.01
Kingstown ...	30.34	47	WNW	5	bc	30.55	+ .58	50	48	0	WNW	4	c	4	51	44	0.01
Holyhead ...	30.30	48	W	3	o	30.53	+ .52	46	46	− 1	WSW	3	o	2	51	45	–
Liverpool (Bidston	30.26	47	W	3	o	30.52	+ .44	45	44	0	W	4	o	2	54	42	0.04
Valencia	30.47	47	NW	3	bc	30.65	+ .53	50	49	+ 2	W	2	cm	1	52	46	0.01
Roche's Point...	30.38	47	NW	5	bc	30.63	+ .34	47	45	+ 1	NNW	3	bc	3	51	42	–
Pembroke ...	30.33	48	WNW	1	c	30.62	+ .52	47	46	0	WNW	1	o	3	49	44	–
Portishead ...	30.28	47	SW	3	c	30.59		42	40		SW	2	bc	2	53	38	–
Scilly																	
Plymouth ...	30.36	50	W	2	o	30.63	+ .46	40	39	− 9	NNE	2	bm	*	53	39	–
Hurst Castle ...	30.33	47	S	2	ow	30.59	+ .34	39	39	− 7	NW	1	bw	2	48	38	0.05
Dover	30.33	44	SW	4	c	30.55	+ .20	45	44	+ 3	NW	3	b	1	46	41	–
London	30.36	46	SW	2	o	30.58	+ .30	38	38	− 5	SW	1	b	*	47	36	–
Oxford	*	*	*	*	*	30.56	+ .36	37	37	− 7	W	1	bf	*	48	37	0.05
Cambridge ...	30.30	45	SW	1	o	30.54	+ .29	38	38	− 5	W	1	b	*	47	37	0.03
Yarmouth ...	30.30	44	SSW	2	b	30.50	+ .19	40	39	− 1	WNW	2	b	1	45	37	–
The Helder... ...	*	*	*	*	*	30.42	+ .05	42	42	+ 4	WSW	1	bo	*	*	*	–
Cape Gris Nez	30.38	43	S	2	o	30.54	+ .19	45	45	+ 8	SW	1	m	0	45	37	–
Jersey																	
Brest	30.41	54	NNW	2	o	30.62	+ .37	46	45	− 4	NE	2	o	5	54	43	0.28
L'Orient	30.39	45	SE	2	r	30.63	+ .38	43	43	− 3	N	2	m	7	48	39	0.24
Rochefort ...	30.33	?	ENE	?	?	30.54	+ .24	39	37	0	ENE	4	m	3	57	34	–
Biarritz	30.31	55	NNE	2	o	30.50	+ .24	50	48	+ 2	WNW	1	c	5	?	43	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.54	+ .12	39	39	+ 3	WSW	2	f	*	48	?	–
Charleville ...	*	*	*	*	*	? 30.47	+ .12	36	*	+ 3	W	1	o	*	*	*	*
Paris	30.42	40	S	2	f	30.59	+ .20	39	39	− 1	SSE	8	f	*	*	*	–
Lyons	*	*	*	*	*	30.55	+ .14	43	*	− 5	W	2	f	*	*	*	*
Toulon	30.37	50	E	3	m	30.51	+ .17	48	45	+ 2	E	3	m	3	57	45	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.00	41	41	SSE	8	rf	5
Thurso	29.73	49	48	W	4	r	4
Scarborough ...	30.12	49	47	SSW	2	c	2
Greencastle ...	30.04	50	46	NW	4	c	*
Holyhead	30.16	50	50	WSW	3	o	2

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Valencia	30.36	50	45	NW	4	bcqm	4
Scilly							
London	30.29	47	45	SSW	3	o	*
Rochefort ...	30.31	54	48	ESE	4	b	3

The barometer is rising everywhere and the wind is veering slightly generally. The weather is less dull than it was this morning though the sky remains cloudy.

EXPLANATION OF COLUMNS.

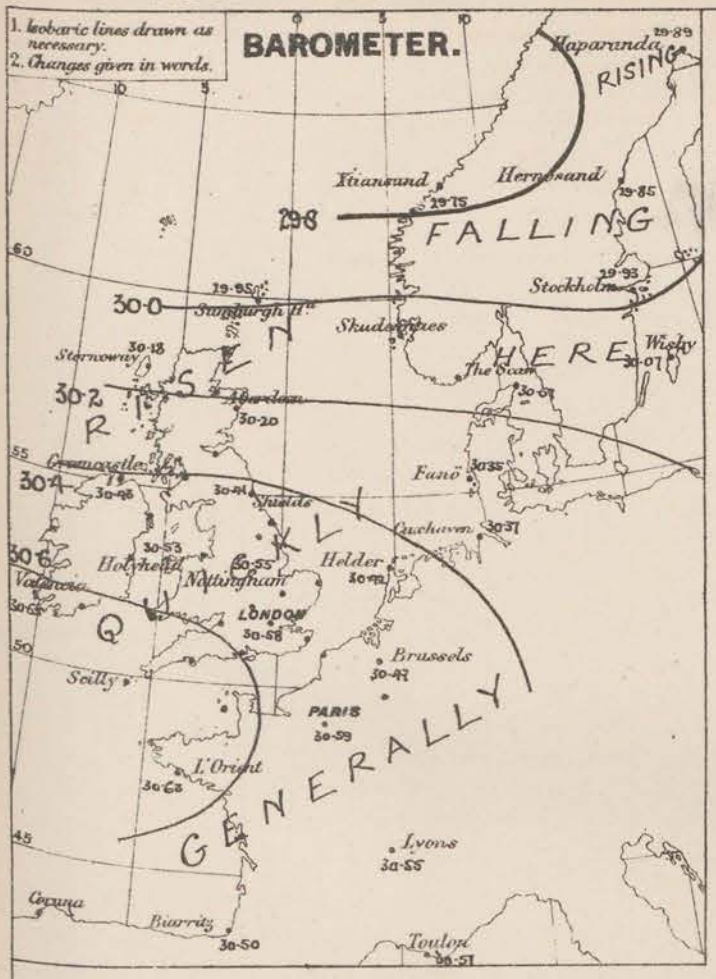
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

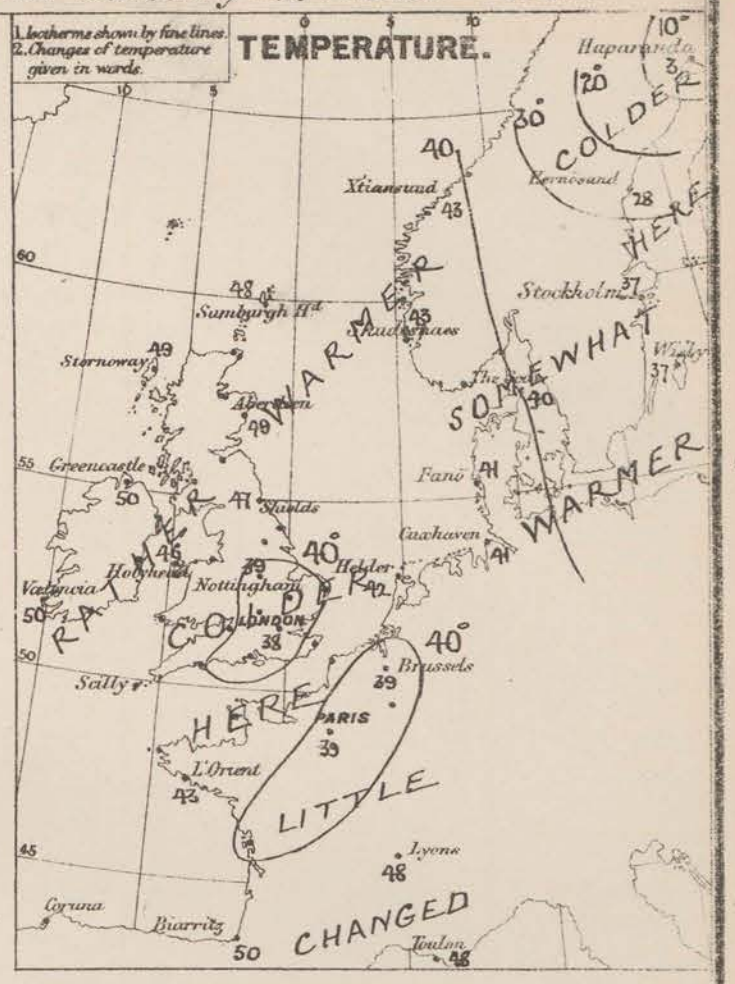
* AN ASTERISK is inserted in all places for which information is not usually received.

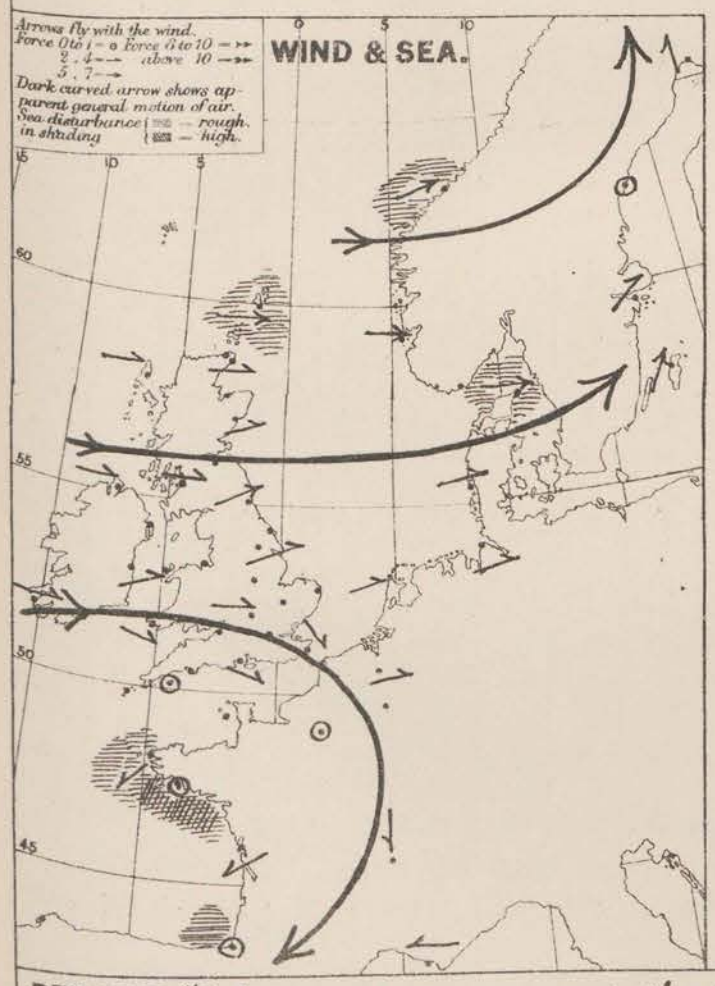
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m (Paris time) in France.

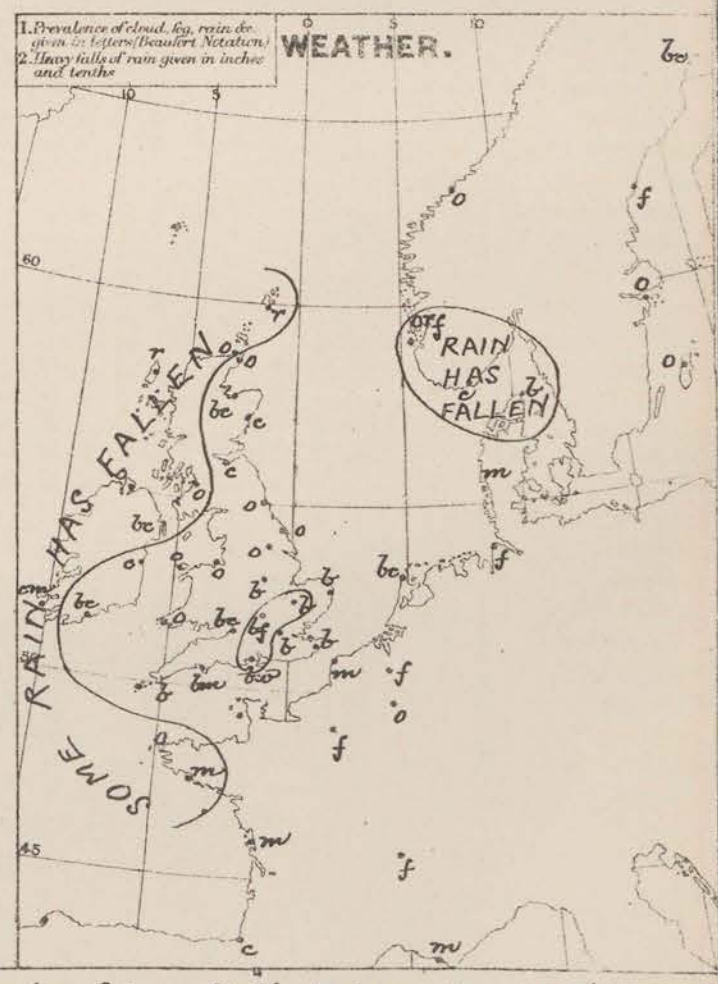
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Thursday 21st Feby. 1878.









REMARKS. Weather is at present fine over nearly the whole of our Islands, but the sky is very cloudy in the N and W, while it is clear over the Central and S.n counties of England, and foggy in France. Temperature has fallen a few degrees in the S.n parts of England, and now stands at about 38° over the inland counties, while it is as high as 50° in Ireland and Scotland. In Belgium, the NE of France, and at Rochefort it varies from 36° to 39°. Wind is W.n over the greater part of our Islands and the North Sea, and is moderate in force. In the Channel it is very light from NW, and in the W. of France from NE. Sea is rough in the far N, moderate in the west, smooth in the Channel and North Sea; but, notwithstanding the light NE.n breeze in the W. of France a rather rough sea is reported at Brest and Biarritz and a high sea at L'Orient. At Pembroke a "heavy ground swell" was reported last evening, although there was only a gentle W.n breeze at the time.

Barometrical Indications. The barometer has risen very quickly over our Islands since yesterday, but the rise has been checked considerably at Valentia during the night. Readings now vary from 30.67 in at Falmouth to 29.75 in. at Christiansund, and 30.57 in. at Toulon.

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Meteorological Office.
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT FEB^Y 22ND 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force (0 to 12).	Weather.	Sea. (0 to 8.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.42	27	SE	4	o	28.90	− .99	32	30	+ 29	W	6	bc	*	32	1	−
Hernösand ...	29.92	36	WSW	2	o	29.41	− .44	42	35	+ 14	WNW	6	b	*	*	*	−
Stockholm ...	29.74	38	WSW	4	c	29.63	− .30	43	40	+ 6	W	6	bc	*	*	*	−
Wisby	29.99	39	SW	6	bc	29.79	− .28	40	39	+ 3	WSW	8	o	*	*	*	−
Christiansund ...	29.54	46	WSW	7	r	29.71	− .04	45	43	+ 2	W	9	r	6	46	41	0.67
Skudesnaes ...	30.11	44	WSW	6	r	? 30.23	+ .12	45	45	+ 2	WNW	6	qf	4	45	43	0.16
Oxö (Xtiansand)	30.07	44	WSW	6	c	30.06	− .02	44	43	+ 2	SW	6	c	3	49	41	−
Skagen (The Skaw)	30.02	42	WNW	7	o	30.00	− .07	43	42	+ 3	WNW	6	c	5	43	37	−
Fanö	30.33	41	W	4	o	30.31	+ .06	43	41	+ 2	W	6	bc	*	43	39	−
Cuxhaven ...	30.45	42	W	3	c	30.43	+ .06	43	43	+ 2	W	3	c	*	43	39	−
Sumburgh Head	30.01	46	W	7	r	30.16	+ .21	47	46	− 1	NW	6	o	6	48	44	0.03
Stornoway	30.27	49	WSW	6	ru	30.32	+ .14	48	47	− 1	WSW	4	o	5	51	46	0.01
Thurso	30.19	51	WSW	5	o	30.29	+ .19	49	48	− 1	S	1	c	3	55	46	−
Wick	30.19	51	NNW	4	b	30.29	+ .17	47	46	− 3	SW	2	b	1	54	44	−
Nairn	30.30	51	W	2	o	30.34	+ .14	48	45	− 2	W	3	c	2	53	47	−
Aberdeen ...	30.26	52	WSW	2	bc	30.35	+ .15	43	41	− 6	SW	1	b	1	56	43	−
Leith	30.43	50	WSW	6	c	30.45	+ .14	47	46	− 2	WSW	4	bc	*	54	45	−
Shields	30.48	50	WSW	4	b	30.51	+ .10	47	44	0	W	3	c	2	53	43	−
Scarborough ..	30.50	51	WNW	1	o	30.54	+ .11	44	43	+ 2	W	1	b	1	55	41	−
York	30.54	50	W	1	b	30.56	+ .09	43	42	+ 1	W	1	b	*	53	40	−
Nottingham ...	30.60	50	WNW	1	o	30.62	+ .07	45	44	+ 6	W	1	c	*	52	38	−
Ardrossan ...	30.51	50	WSW	3	o	30.51	+ .13	48	46	− 2	WSW	2	r	2	52	47	−
Greencastle ...	30.51	49	WSW	3	o	30.52	+ .09	46	45	− 4	WSW	1	o	*	54	45	−
Donaghadee ...	30.59	51	NW	2	b	30.59	+ .11	49	48	− 1	WSW	2	c	1	52	48	−
Kingstown ...	30.61	54	W	1	c	30.63	+ .08	47	44	− 3	WSW	1	om	1	52	46	−
Holyhead ...	30.61	49	WNW	1	o	30.61	+ .08	46	46	0	W	1	om	1	51	45	−
Liverpool (Bidston)	30.61	47	W	3	o	30.61	+ .09	45	43	0	W	2	o	r	49	45	−
Valencia	30.67	50	WSW	3	c	30.62	− .03	49	46	− 1	SSW	3	c	3	55	47	−
Roche's Point...	30.67	51	NNW	2	c	30.65	+ .02	46	44	− 1	W	1	o	2	54	43	−
Pembroke ...	30.66	48	WNW	1	o	? 30.59	− .03	47	47	0	NNE	1	c	2	51	46	−
Portishead ...	30.63	50	W	2	o	30.63	+ .04	46	45	+ 4	WSW	1	o	1	52	39	−
Scilly																	
Plymouth ...	30.67	50	Z	0	o	30.65	+ .02	43	42	+ 3	Z	0	qf	*	52	39	−
Hurst Castle ...	30.64	47	SW	2	b	30.63	+ .04	47	46	+ 8	E	1	m	3	52	37	−
Dover	30.60	47	W	2	bc	30.65	+ .10	48	47	+ 3	WNW	2	qf	1	50	44	−
London	30.65	52	W NW	2	o	30.63	+ .05	47	46	+ 9	WSW	1	og	*	55	38	−
Oxford	*	*	*	*	*	30.62	+ .04	46	45	+ 9	W	1	qf	*	51	37	−
Cambridge ...	30.58	47	NW	1	c	30.61	+ .07	42	42	+ 4	WSW	1	bc	*	54	37	−
Yarmouth ...	30.55	50	WNW	2	bm	30.58	+ .08	43	42	+ 3	W	2	bm	1	52	38	−
The Helder ...	*	*	*	*	*	30.55	+ .13	44	43	+ 2	SW	1	c	*	*	*	−
Cape Gris Nez	30.60	45	WSW	1	m	30.65	+ .11	45	45	0	SSW	1	f	0	50	43	−
Jersey																	
Brest	?	?	?	3	b	30.64	+ .02	41	39	− 5	E	3	b	3	54	39	−
L'Orient	30.65	48	W	2	o	30.62	− .01	37	37	− 6	E	3	m	5	54	?	−
Rochefort ...	30.58	52	ENE	3	b	30.58	− .04	41	39	+ 2	E	5	o	3	57	34	−
Biarritz	30.53	37	W	2	o	30.47	− .03	41	39	− 9	ENE	3	c	4	54	36	−
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.64	+ .10	42	42	+ 3	WSW	2	f	*	47	38	−
Charleville ...	*	*	*	*	*	? 30.59	+ .12	37	*	+ 1	E	1	f	*	*	*	*
Paris	30.63	44	S	2	o	30.65	+ .06	41	41	+ 2	SSE	1	o	*	*	*	−
Lyons	*	*	*	*	*	30.67	+ .12	40	*	− 3	NE	4	d	*	*	*	*
Toulon	30.52	50	W	1	m	30.54	+ .03	48	43	0	NE	1	f	2	55	48	−

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.09	44	43	WSW	4	f	4	Valencia	30.67	53	51	SW	2	m	3
Thurso	30.13	52	51	WSW	4	oq m	3	Scilly							
Scarborough ...	30.45	53	52	W	2	c	2	London	30.60	53	49	WNW	3	bc	*
Greencastle ...	30.48	52	48	W	2	o	*	Rochefort ...	30.56	52	50	ENE	3	bc	3
Holyhead	30.59	50	50	WNW	2	om									

The barometer has begun to fall again in Irelands. The wind at Stornoway has backed to WSW. and increased to a fresh gale with very stormy squally weather and a rough sea.
Warnings issued to our NW. N. and NE coasts.

EXPLANATION OF COLUMNS.

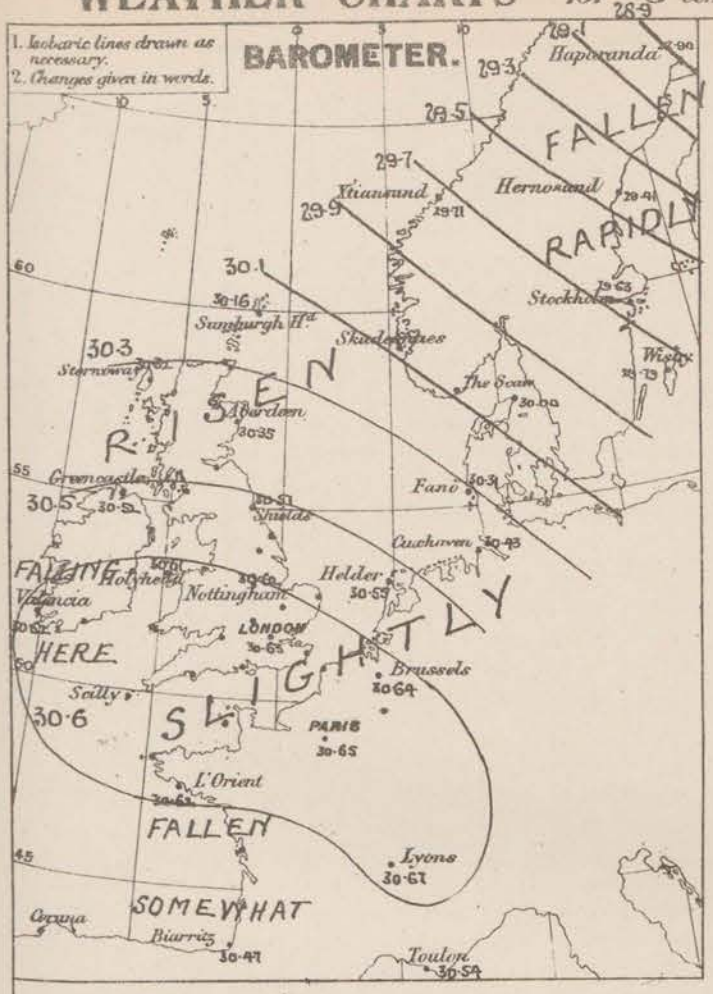
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

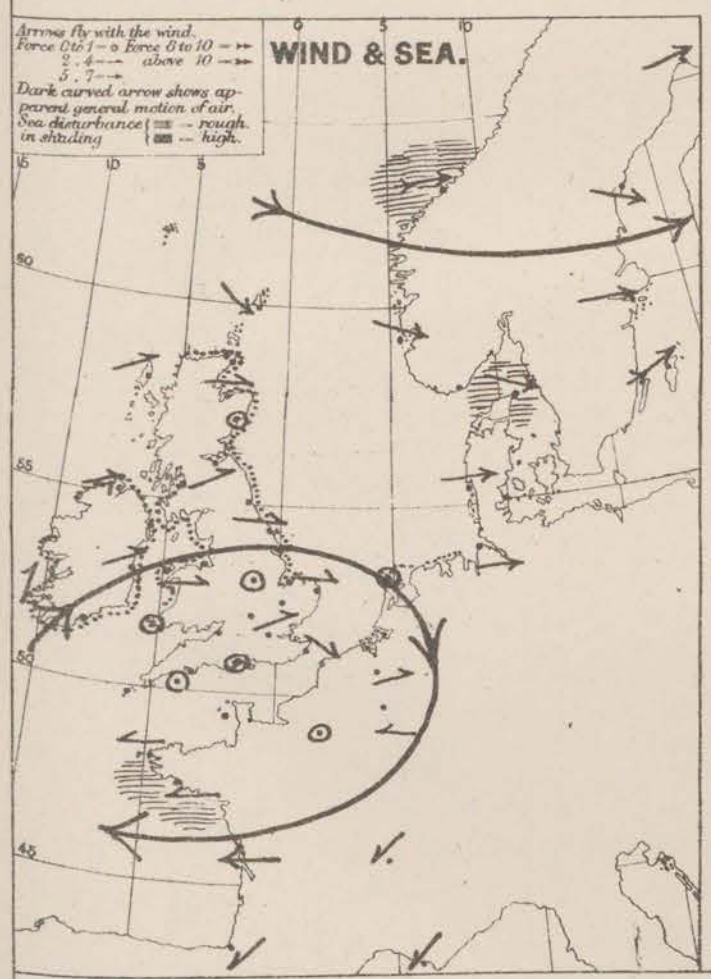
* AN ASTERISK is inserted in all places for which information is not usually received.

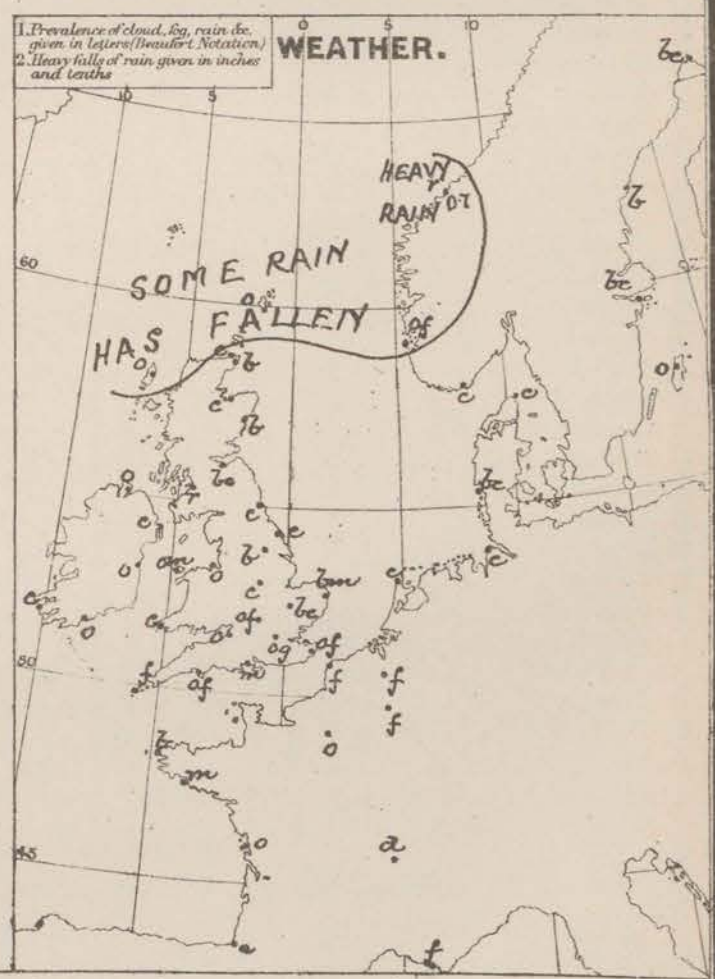
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Friday 22. Feby. 1878.







As dotted line is drawn round the coasts where the signals are still flying.

REMARKS. Weather is very variable over our Islands, but (on the whole) dry. The sky is cloudy in the W. and NW., clear in the NE., foggy and gloomy in the S. Rain has fallen in the extreme N. and continues at Hammerfest and Arkansund. Temperature has risen over England, and on the E. shores of the Baltic Sea, but fallen slightly in Scotland, Ireland and the W. of France. It is still high generally – especially in the N. Wind is light from E. in the Bay of Biscay, from S. at Valentia, from SW. in Scotland and from W. over England, while in the Channel it is calm. In the Shetlands, Norway, Sweden and Denmark it is strong from W. to NW. and blows a gale at Hammerfest. A strong W. gale was felt at Shields last evening, a slighter gale at Sumburgh Head and Stornoway, and a strong W. breeze at Aberdeen. Sea is still rough in the far N., but smooth on nearly all our other coasts. At L'Orient, however, it is still reported as rather rough, though the wind remains light and blows off shore.

Barometrical Indications. – Readings are very high (30·6 ins. and upwards) over the S. of our Islands, and the N. and E. of France. A very large and deep depression has advanced to the N. of Scandinavia during the night, apparently from the W. or NW. The barometer has sunk to 28·9 ins. at Haparanda, and steep gradients for NW. winds prevail over Norway and Sweden. In the N. of Scotland the barometer has risen in the night, but in Ireland it is falling again, and a new depression seems to be advancing on our NW. coasts from the Atlantic. Warnings. Our NW., N. and NE. coasts were warned yesterday, and the signals are still flying.

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Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT, Secretary.

DAILY WEATHER REPORT Feby 23rd 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.33	27	NW	6	b	29.41	+ .51	23	22	− 9	SW	2	o	*	34	19	–
Hernösand ...	29.70	40	NW	2	b	29.67	+ .26	45	41	+ 3	W	2	c	*	*	*	–
Stockholm ...	29.79	47	WSW	6	o	29.82	+ .19	39	37	− 4	W	2	c	*	*	*	–
Wisby	29.88	42	NW	6	b	29.94	+ .15	40	37	o	SW	4	c	*	*	*	–
Christiansund ...	29.90	44	WSW	9	c	29.82	+ .11	45	42	o	WSW	9	c	7	45	43	0.20
Skudesnaes ...	? 30.30	43	WNW	5	f	? 30.19	− .04	43	43	− 2	WNW	2	mf	2	45	43	0.08
Oxö (Xtiansand)	30.19	46	W	4	b	30.14	+ .08	42	41	− 2	SW	4	c	3	54	39	–
Skagen (The Skaw)	30.15	41	WNW	6	b	30.10	+ .10	41	40	− 2	WNW	6	o	5	46	36	–
Fanö	30.41	42	W	4	o	30.29	− .02	41	41	− 2	WSW	4	o	*	46	39	–
Cuxhaven ...	30.48	43	W	3	c	30.41	− .02	42	42	− 1	WSW	1	m	*	45	37	–
Sumburgh Head	30.19	47	W	7	m	30.06	− .10	46	45	− 1	W	5	c	5	48	41	0.01
Stornoway	30.32	47	SW	1	b	30.19	− .13	47	46	− 1	SW	2	o	4	51	44	0.04
Thurso	30.28	48	Z	o	c	30.13	− .16	46	45	− 3	S	2	c	2	58	43	–
Wick	30.28	46	W	1	b	30.14	− .15	43	42	− 4	SSW	3	b	1	59	41	–
Nairn	30.34	46	NW	4	c	30.20	− .14	43	40	− 5	NW	1	bc	2	53	43	–
Aberdeen ...	30.32	52	NNW	1	bo	30.21	− .14	38	37	− 5	Z	o	m	0	59	38	–
Leith	30.41	47	W	4	c	30.24	− .21	45	43	− 2	WSW	2	c	*	50	43	–
Shields	30.46	46	NW	2	bc	30.31	− .20	44	41	− 3	W	2	bc	1	51	41	–
Scarborough .	30.48	47	WSW	1	o	30.34	− .20	43	42	− 1	WSW	1	o	1	51	40	–
York	30.52	44	W	1	b	30.42	− .14	44	42	+ 1	WSW	2	o	*	53	41	–
Nottingham ...	30.56	46	W	1	c	30.44	− .18	45	43	o	W	2	o	*	51	43	–
Ardrossan ...	30.48	48	W	2	o	30.30	− .21	46	45	− 2	SW	2	o	2	49	46	–
Greencastle ...	30.46	48	N	1	o	30.30	− .22	44	43	− 2	W	2	o	*	53	42	–
Donaghadee ...	30.51	47	SW	2	bo	30.35	− .22	48	48	− 1	WSW	3	c	2	52	48	–
Kingstown ...	30.55	47	S	1	o	30.40	− .23	46	43	− 1	WSW	2	c	1	48	45	–
Holyhead ...	30.54	44	WNW	1	o	30.40	− .21	45	44	− 1	W	1	om	0	49	44	–
Liverpool (Bidston	30.55	44	W	1	o	30.41	− .20	44	41	− 1	WSW	1	o	1	47	43	–
Valencia	30.54	48	SSW	2	c	30.41	− .21	47	46	− 2	SSW	2	o	3	52	44	0.01
Roche's Point...	30.59	50	S	2	o	30.44	− .21	45	43	− 1	WSW	1	b	2	53	43	–
Pembroke ...	30.56	48	SSE	1	o	30.43	− .16	45	45	− 2	W	1	o	2	50	44	0.04
Portishead ...	30.56	48	WSW	2	o	30.43	− .20	45	44	− 1	SW	2	o	2	50	43	–
Scilly																	
Plymouth ...	30.56	47	Z	o	o	30.43	− .22	45	43	+ 2	E	1	c	*	50	43	–
Hurst Castle ...	30.57	48	SSE	1	m	30.45	− .18	46	45	− 1	SE	1	o	1	49	44	–
Dover	30.60	47	WSW	2	c	30.47	− .18	46	45	− 2	ESE	1	fg	0	50	45	–
London	30.62	50	SW	1	og	30.47	− .16	46	45	− 1	SW	1	o	*	50	45	–
Oxford	*	*	*	*	*	30.44	− .18	45	44	− 1	Z	o	fg	*	50	45	–
Cambridge ...	30.57	48	SW	1	o	30.43	− .18	45	45	+ 3	SW	1	o	*	51	41	–
Yarmouth ...	30.55	49	W	1	bo	30.44	− .14	46	45	+ 3	WSW	1	m	1	51	42	–
The Helder. ...	*	*	*	*	*	30.43	− .12	44	44	o	SSW	1	o	*	*	*	–
Cape Gris Nez	30.61	?	SSW	1	f	30.47	− .15	45	45	o	E	1	fg	o	48	45	–
Jersey																	
Brest	30.54	54	ENE	2	b	30.44	− .18	39	37	− 2	NE	4	o	3	54	37	–
L'Orient	30.50	46	ENE	2	b	30.43	− .19	36	36	− 1	ENE	2	m	3	48	34	–
Rochefort ...	30.43	48	E	5	b	30.30	− .20	37	36	− 4	E	3	b	3	57	34	–
Biarritz	30.36	55	ENE	2	b	30.31	− .16	46	41	+ 5	E	3	o	3	61	37	–
Corunna	*	*	*	*	*	30.40	− .01	48	*	− 2	NE	1	b	1	*	*	*
Brussels	*	*	*	*	*	30.48	− .16	44	43	+ 2	SE	1	f	*	46	?	–
Charleville ...	*	*	*	*	*	? 30.39	− .20	42	*	+ 5	ESE	1	o	*	*	*	*
Paris	30.58	44	SSE	2	bc	30.43	− .22	41	40	o	ENE	1	o	*	*	*	–
Lyons	*	*	*	*	*	30.51	− .16	42	*	+ 2	S	4	o	*	*	*	*
Toulon	30.48	50	SW	1	m	30.41	− .13	46	43	− 2	E	4	c	3	55	45	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.93	45	45	WSW	4	f	3	Valencia	30.58	51	47	SSW	1	o	2
Thurso	30.28	55	52	NNW	2	b	4	Scilly							
Scarborough ...	30.48	51	48	W	1	c	1	London	30.61	50	49	S	1	og m	*
Greencastle ...	30.50	50	47	SW	1	c	*	Rochefort ...	30.46	55	50	E	5	b	3
Holyhead	30.58	48	48	NNW	1	o	o								

Scarcely any change has occurred since the morning. The weather is extremely fine and warm in the N. and "visibility" is reported at Stornoway. In the S. it is dull and gloomy.

EXPLANATION OF COLUMNS.

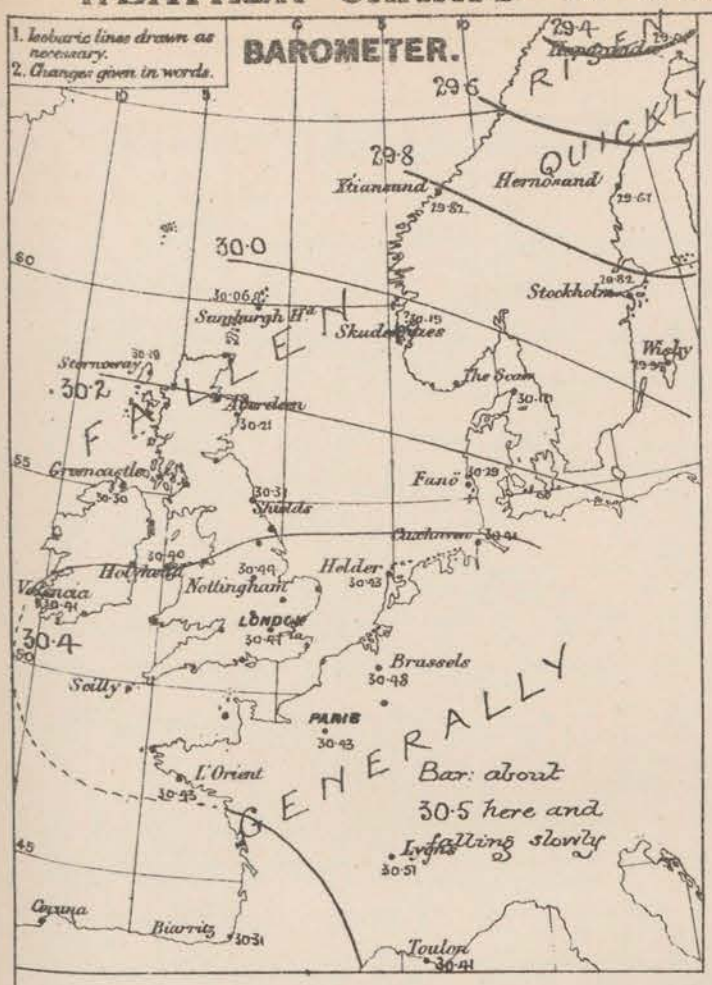
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

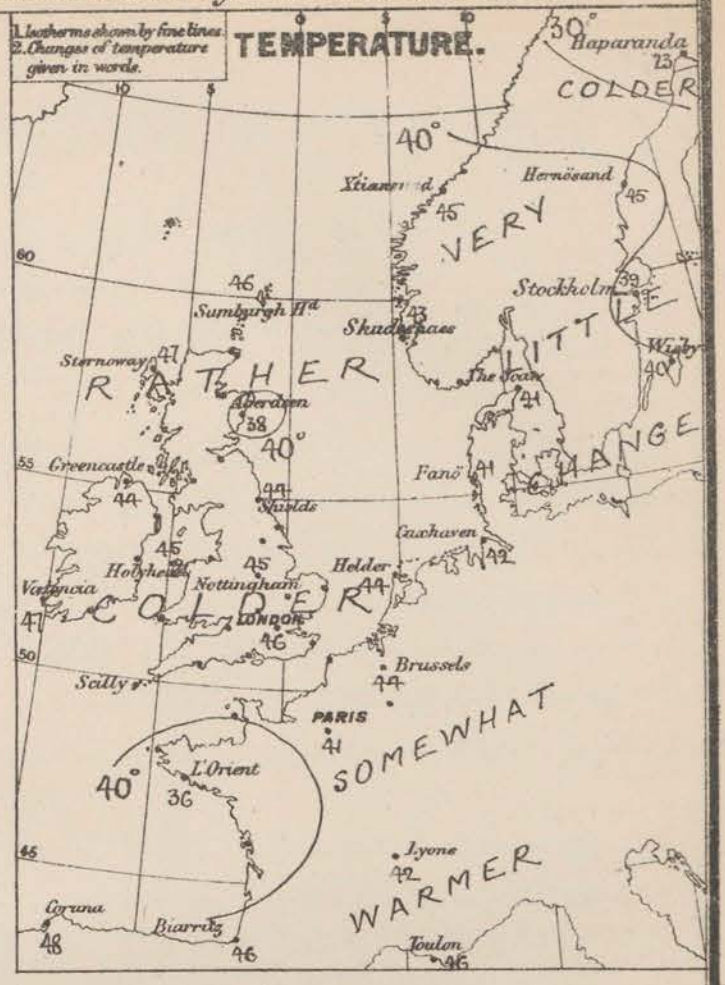
* AN ASTERISK is inserted in all places for which information is not usually received.

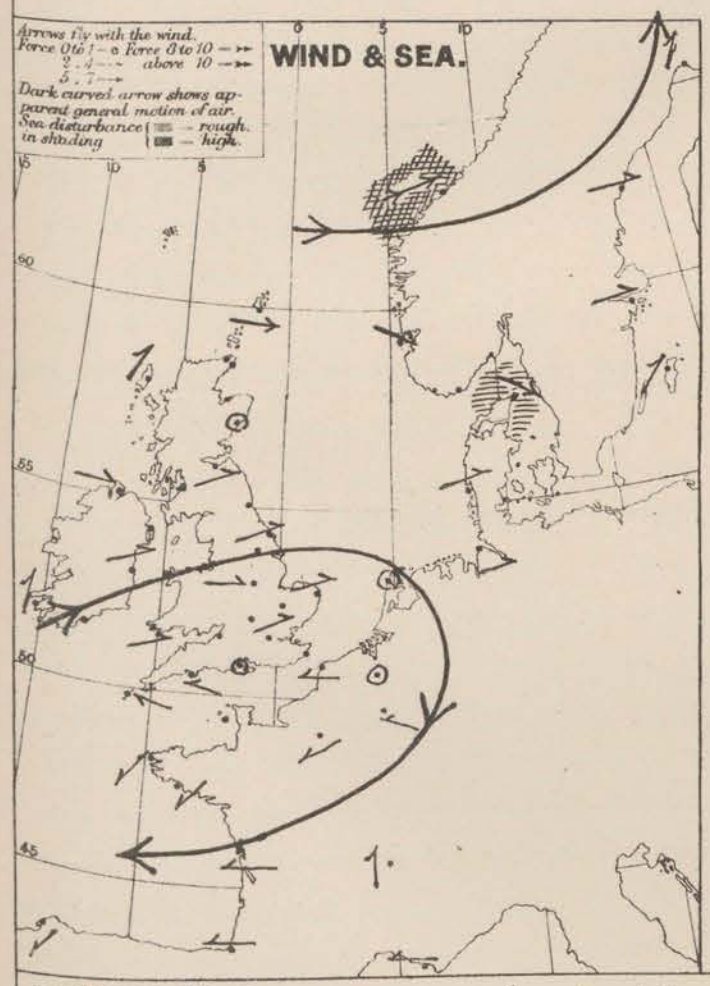
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

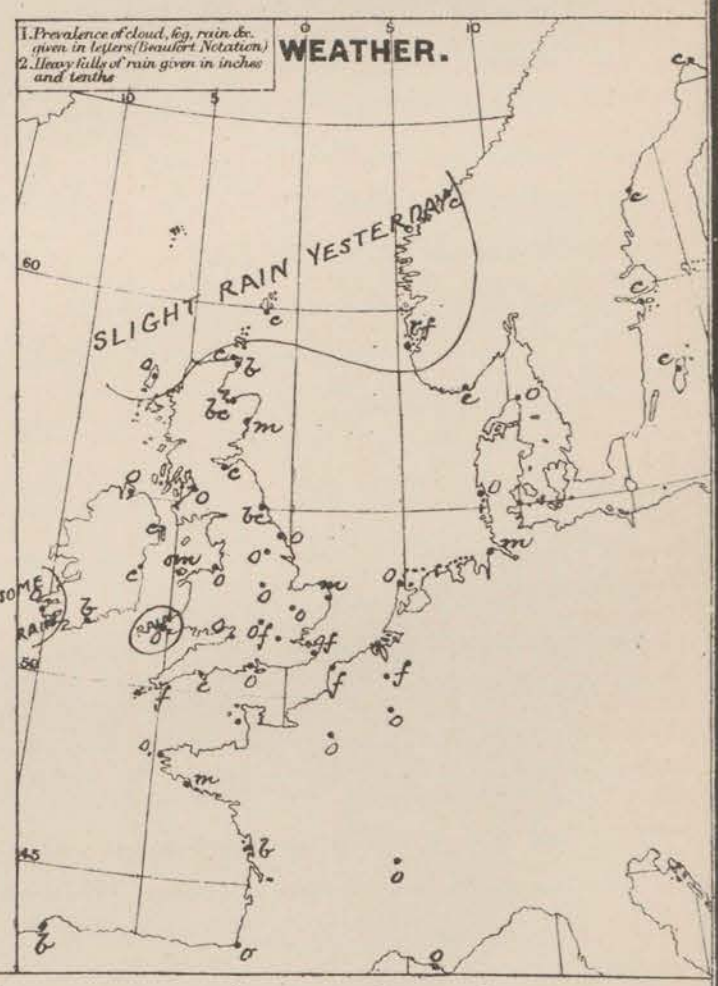
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Saturday 23. FEB.Y 1878.









REMARKS. Weather remains fine in the N. of our Islands, but is very cloudy elsewhere, with fog in Belgium and on our S.E. coast. Temperature is a few degrees lower at our N. stations and in the W. of France than it was yesterday morning, but shows very little change elsewhere. During yesterday afternoon it was unusually high in Scotland for the time of year, the maximum reading at Aberdeen and Wick having been 59°, and at Thurso 58°, or very little lower than the maximum at Biarritz. In London the maximum was only 50° and at Hurst Castle 49°. Wind is still W. to S.W. over our Islands, and to the E. of the North Sea, and is generally light to moderate in force. At the Scaw however, it remains strong, and at Christiansund a strong W.S.W. gale is again reported. In France, and the Channel the wind is very light from the E. Sea is smooth in the W. S. and E., but rough in the far N. high at Christiansund.

Barometrical Indications. The barometer is now highest (30·5) in the E. of France, whence an area of high readings extends W. over the N. of France, and the S. part of England and Ireland. Moderate gradients for W. winds prevail over the United Kingdom and the North Sea, and the mercury is falling at all but the Swedish stations, where a recovery from yesterday's sudden fall is in progress.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/ per quarter, book post 5/ per quarter.

Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from FEBY 17TH *to* FEBY 23RD 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

Numerous depressions have advanced to our neighbourhood during this week, but though causing the barometer to oscillate considerably have not affected the wind to any great extent. From Sunday till Thursday the course of the disturbances was from south-west to north-east along our western coasts and south-westerly winds with warm weather prevailed but on Thursday a large anticyclone was formed over our south-western stations which subsequently extended N^ward over England, so that light N^ly breezes with dry but dull weather was general. Temperature has been high for the time of year during the whole week. The day of greatest warmth being Sunday in the S. and Friday in the N. –

FEBY 17TH Pressure had increased slightly in the south-east of France and in the south of Scandinavia but was decreasing in all other places; in the south of Ireland the decrease had been rather brisk during the night and gradients were becoming steep over these Islands. Reading varied from 30.6 ins: at Toulon to 29.7 ins at Valentia and 29.5 ins: at Stornoway. Wind was S^ly (SW to SE) over the whole of Western Europe. It was light or moderate in force generally but increased to a strong breeze on our W^rn and N^rn coasts, and to a fresh gale both at Valentia and Stornoway. Temperature had risen at nearly all stations; it was very high for the season over these Islands varying from 53° at Valentia to 47° on our eastern and northern coasts. Weather was fine in the South and south-east, but was overcast in the N. with rain in some places. In the evening the barometer was recovering again in the SW. though still falling elsewhere. The weather had been very fine and hot during the day in the south and south-east, the thermometer having risen to 61° in London, to 62° at Liverpool, and 60° at Nottingham.

FEBY 18TH Pressure was increasing at all the more western stations, but decreasing in the east and south-east; it was highest in the south-east of France, lowest to the northward of Scotland, reading varying from 30.4 ins: at Lyons to 29.4 ins: at Stornoway and Christiansund. Wind was still southerly on the eastern shores of the North Sea, but had veered to west or south-west on most of our coasts; it was blowing a gale at Shoeburness and was fresh in force at some of our more northern stations but was moderate in most places. Temperature had risen slightly over France, but had fallen four or five degrees over these Islands; it varied from 49° at Yarmouth to 41° at Thurso. Weather was clear at all but a few of our south-eastern stations, where, as well as on the Continent the sky was cloudy or overcast. During the day, however, the weather became clear everywhere and by the evening the barometer was rising in all places, while the depression in the north of Scotland was moving away NE^ward. The maximum temperatures over central England were 57° at Nottingham, 56° at Cambridge and 55° in London.

FEBY 19TH The mercury was rising over Great Britain, France and Denmark, but was falling rather briskly over Ireland and quickly over Sweden. A large anticyclone (30.40 ins:) covered France and England, while an extensive depression was shown over ~~the north of~~ Scandinavia, at the same time that another was advancing to the west coast of Ireland from the south-westward. Wind was easterly over the Bay of Biscay, southerly at our western stations, and westerly on our east coasts and over the North Sea; it was light at most stations, but blew strongly at Valentia, in the Shetlands and Scandinavia. Temperature had fallen except in the south of Ireland – very quickly in the south-east of England; it varied from 50°

at Valentia, to 32° at Aberdeen, and 33° at Cambridge. Weather was overcast and threatening in the west, fine though rather foggy over England and the east of Scotland. During the day the fall of the barometer extended to all parts of our Islands, but the decrease being much in excess in the N. gradients became rather steep.

FEB^Y 20TH. The mercury was rising quickly in Sweden, the depression noticed over the N. of that country on the previous day having moved, the second disturbance had advanced northward along our western coasts and had its centre off the Hebrides, the barometer was falling at all except a few of our south-western stations, where a recovery had set in. Wind was NN^W in the S. of Ireland, south-westerly to south-easterly on our other coasts and over the North Sea, it was moderate to fresh in force generally, and blew a hard gale at Stornoway. Temperature had fallen slightly in the S. of Ireland and several degrees over the Netherlands and N. Germany, rises elsewhere, it varied from 50° at Kingstown to 41° at Yarmouth and 43° at Thurso. Weather was cloudy or overcast with rain squalls in many places. Later in the day the depression from the NN. of Scotland travelled on NE^WD and the mercury rose everywhere.

FEB^Y 21ST. The mercury was falling over Scandinavia and Denmark, but rising over the whole of these Islands and France. Readings varied from 30·67 ins: at Falmouth to 29·75 ins: in the N. of Norway, they were very uniform over France and the south of England, but moderate gradients existed in the N. Wind was N^W on our coast and over the North Sea, S N^W in Sweden and NE^W in France; it was moderate except in the N. Temperature had fallen very fast in the Gulf of Bothnia, and several degrees in the S. of England and N. of France, but elsewhere the change had been generally upward. Sky was clear in the SE. and S. dull or cloudy in most other places with fog over France, and rain in the extreme N. of Ireland. During the day the barometer fell briskly in Sweden and a large depression was advancing to the N. of that country; in these Islands pressure was changing very little but during the afternoon the winds had risen to a fresh gale in the Hebrides.

FEB^Y 22ND. A large and deep depression lay over Lapland and rather steep gradients existed over Scandinavia, the North Sea, and the N. of these Islands, but over our southern stations and France a large anticyclone was shown; readings varied from 30·66 ins at Falmouth to 28·90 ins: at Haparanda. Wind was W^LY at all the more N^RN stations, and E^LY over the Bay of Biscay, while in the intermediate region light variable airs prevailed. Over Scandinavia the wind was strong to a gale. Temperature had fallen in the west of these Islands and France, but had risen elsewhere. Weather was fair though cloudy and foggy; slight rain had fallen in the N. During the day the mercury rose quickly over Norway and Sweden but fell slightly over the British Isles, no other change, however, occurred in pressure, but temperature rose to an exceptional height over Scotland the maxima at Aberdeen and Thurso having been 59° and 58° respectively.

FEB^Y 23RD. The depression noticed in the N. of Sweden had moved away and the barometer had risen quickly but over the whole of these Islands and France a slight decrease was reported. The area of high pressure still lay over France and England. Wind blew a fresh gale at Christiansund, and strongly in the Skager Rack but on all other coasts it was light, it was E^LY over the Bay of Biscay, W^LY elsewhere. Temperature had fallen slightly and was very uniform between 40° and 50°. Weather was cloudy or dull very dry. No change of importance occurred during the day.

Meteorological Office,
116 *Victoria Street, Westminster, S.W.*
ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT FEBY 24TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 6 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.24	33	SW	6	bc	29.21	− .20	28	28	+ 5	W	2	c	*	34	23	-
Hernösand ...	29.65	41	NW	2	o	29.50	− .17	37	33	− 8	W	2	b	*	*	*	-
Stockholm ...	29.74	40	SSW	4	o	29.65	− .17	36	34	− 3	W	4	b	*	*	*	-
Wisby	29.91	40	SW	6	o	29.80	− .14	39	37	− 1	WNW	6	c	*	*	*	-
Christiansund ...	29.65	38	SW	9	r	29.60	− .22	37	36	− 8	W	8	rsh	6	45	36	0.59
Skudesnaes ...	29.99	42	WSW	6	o	29.95	− .24	41	39	− 2	W	4	c	3	43	?	-
Oxö (Xtiansand)	29.99	42	SW	6	b	29.96	− .18	40	37	− 2	SW	2	b	2	45	37	-
Skagen (The Skaw)	29.97	40	WSW	?	f	29.94	− .16	39	39	− 2	WNW	4	b	3	41	36	0.04
Fanö	30.13	41	WSW	4	o	30.11	− .18	40	40	− 1	W	3	o	*	43	39	-
Cuxhaven ...	30.31	44	WSW	3	o	30.20	− .21	43	43	+ 1	WSW	3	o	*	?	39	-
Sumburgh Head	29.94	43	W	5	r	29.80	− .26	42	40	− 4	W	6	c.	6	47	38	0.22
Stornoway	30.09	42	W	3	bc	29.92	− .27	42	39	− 5	SW	4	ov	4	49	37	-
Thurso	30.06	42	W	3	bc	29.91	− .22	41	39	− 5	SW	3	bc	4	54	36	0.02
Wick	30.07	41	NW	2	b	29.91	− .23	43	39	0	W	4	b	0	49	36	-
Nairn	30.14	45	W	3	o	30.01	− .19	39	37	− 4	W	2	bc	1	50	38	-
Aberdeen ...	30.09	50	WNW	1	c	30.06	− .15	38	35	0	WSW	2	b	1	53	31	-
Leith	30.16	47	WSW	3	bc	30.12	− .12	42	40	− 3	WSW	1	c	*	50	38	-
Shields	30.22	46	NW	3	c	30.19	− .12	38	38	− 6	N	0	ov	1	50	37	-
Scarborough ..	30.15	47	W	2	o	30.20	− .14	45	44	+ 2	W	1	o	1	49	43	-
York	30.25	46	W	1	o	30.22	− .20	44	44	0	SW	1	o	*	52	? 37	-
Nottingham ...	30.34	46	WSW	1	o	30.26	− .18	43	42	− 2	SW	1	o	*	48	41	-
Ardrossan ...	30.21	47	WSW	2	o	30.16	− .14	45	42	− 1	WSW	2	c	2	49	44	-
Greencastle ...	30.32	47	NW	2	o	30.16	− .14	41	40	− 3	W	1	o	*	52	39	0.01
Donaghadee ...	30.27	48	WNW	2	b	30.22	− .13	44	43	− 4	W	2	b	1	49	42	-
Kingstown ...	30.31	49	WNW	2	c	30.26	− .14	47	46	+ 1	S	1	ov	1	50	46	-
Holyhead ...	30.32	46	WSW	2	o	30.26	− .14	46	46	+ 1	WSW	2	ov	1	49	44	0.02
Liverpool (Hidston	30.30	45	W	2	o	30.25	− .16	44	43	0	WSW	1	c	1	47	43	0.01
Valencia	30.36	49	WSW	3	c	30.29	− .12	47	46	0	WSW	1	c	2	54	42	0.07
Roche's Point...	30.37	49	WSW	2	bc	30.31	− .13	43	41	− 2	NW	2	bc	2	52	42	-
Pembroke ...	30.36	46	WSW	2	o	30.28	− .15	47	47	− 2	WSW	1	ov	1	50	40	-
Portishead ...	30.35	46	WSW	2	o	30.28	− .15	43	42	− 2	WSW	1	o	1	50	40	-
Scilly																	
Plymouth ...	30.34	48	N	2	o	30.28	− .15	45	44	0	N	0	o	*	52	45	-
Hurst Castle ...	30.34	46	W	1	o	30.27	− .18	44	42	− 2	ENE	1	ov	1	48	41	-
Dover	30.34	45	SE	1	o	30.27	− .20	44	43	− 2	NW	1	f	0	48	43	-
London	30.34	49	W	1	o	30.28	− .19	43	41	− 3	W	1	o	*	52	41	-
Oxford	*	*	*	*	*	30.26	− .18	43	42	− 2	N	0	o	*	49	43	-
Cambridge ...	30.32	47	SW	1	o	30.25	− .18	43	42	− 2	W	1	o	*	52	41	-
Yarmouth ...	30.33	47	N	0	bc	30.24	− .20	43	42	− 3	WSW	1	bom	1	48	41	-
The Helder. ...	*	*	*	*	*	30.22	− .21	43	42	− 1	SW	1	o	*	*	*	-
Cape Gris Nez	30.34	45	NE	2	m	30.26	− .21	43	43	− 2	NE	1	m	3	48	?	-
Jersey																	
Brest	30.36	50	N	2	m	30.30	− .16	43	41	+ 4	NNE	1	o	4	?	39	-
L'Orient	30.35	41	NE	2	m	30.31	− .12	41	39	+ 5	N	1	m	3	43	36	-
Rochefort ...	30.27	50	NE	2	o	30.26	− .04	?	37	?	ENE	2	f	3	54	32	-
Biarritz	30.30	50	WSW	3	o	30.26	− .05	46	45	0	SSW	2	r	3	54	43	0.16
Corunna	*	*	*	*	*	30.38	− .02	53	*	+ 5	N	1	f	1	*	*	*
Brussels	*	*	*	*	*	30.24	− .24	43	43	− 1	SW	1	f	*	45	42	0.24
Charleville ...	*	*	*	*	*	30.19	− .20	38	*	− 4	SW	1	f	*	*	*	*
Paris	30.30	46	SSW	2	b	30.28	− .15	40	40	− 1	SSW	1	f	*	*	*	-
Lyons	*	*	*	*	*	30.34	− .17	43	*	+ 1	E	1	f	*	*	*	*
Toulon	30.38	50	E	3	b	30.28	− .13	45	43	− 1	E	4	bc	3	57	45	-

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	30.05	43	43	WSW	2	o	2
Thurso	30.07	47	46	WSW	3	ov	4
Scarborough ...	30.25	49	46	WSW	2	c	2
Greencastle ...	30.26	48	46	WSW	2	o	*
Holyhead	30.34	48	46	W	2	o	1
Valencia	30.37	51	49	WSW	2	c	3
Scilly							
London	30.38	51	46	W	1	bm	*
Rochefort ...	30.32	50	48	E	4	o	3

The barometer is falling all over the country, but no other change is reported.

EXPLANATION OF COLUMNS.

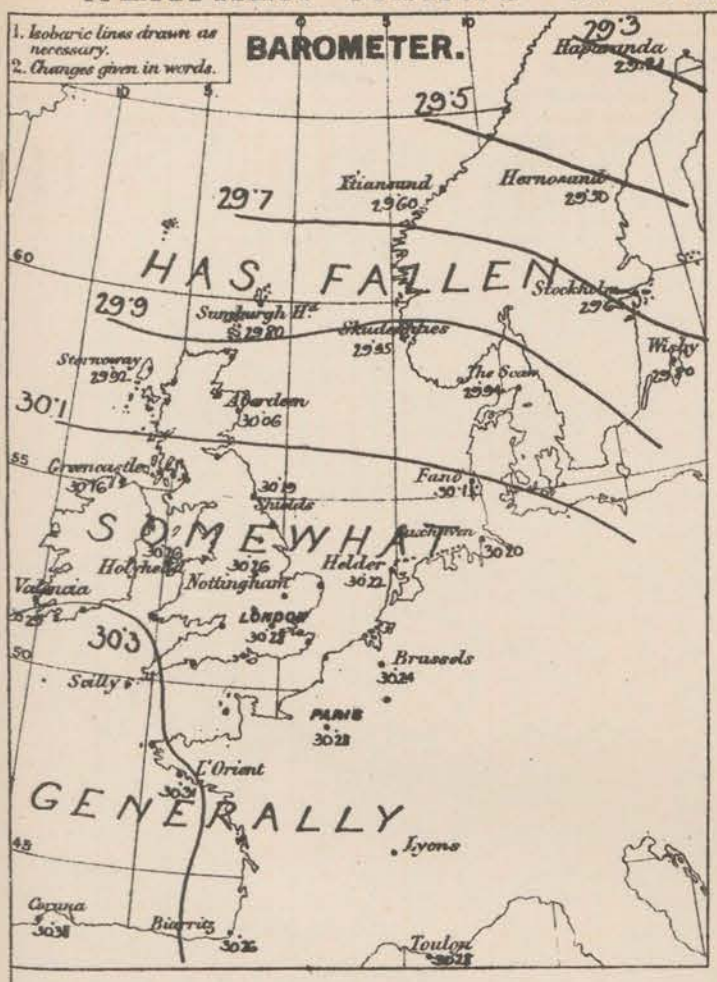
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

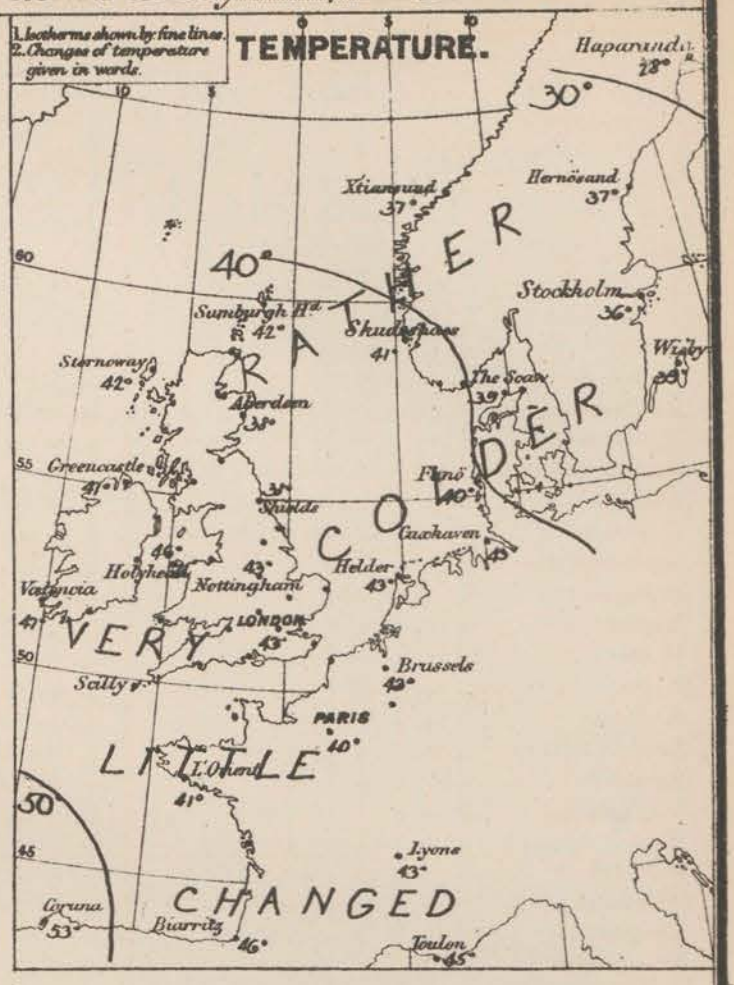
* AN ASTERISK is inserted in all places for which information is not usually received.

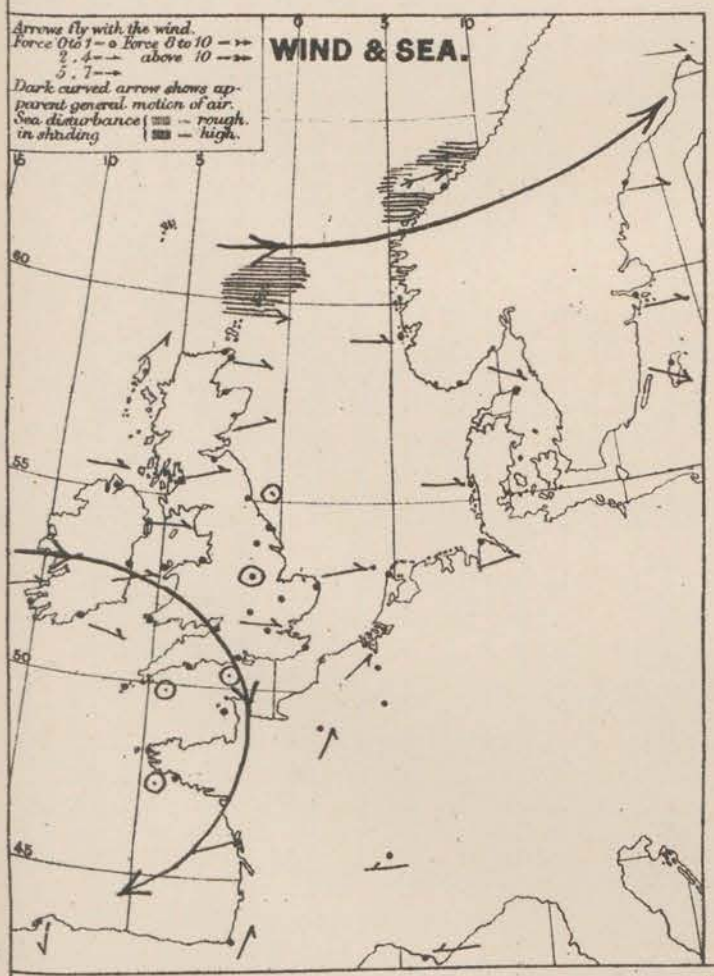
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m (Paris time) in France.

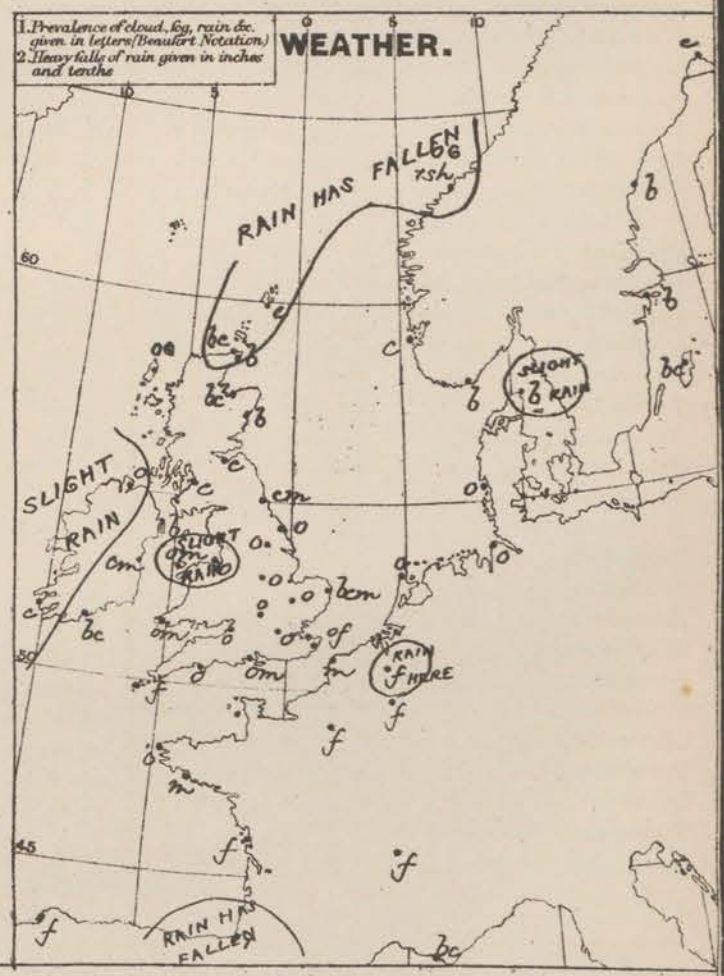
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Sunday 24th Feby 1878.









REMARKS. Weather varies a good deal; it is fine in Sweden, the north of Denmark, the east of Scotland, and at a few of our western stations, but elsewhere it is, for the most part overcast, and fog is reported from many of the French stations. Slight rain fell in some places yesterday. Temperature has fallen a little in Scandinavia and Scotland, but very little change has occurred in other places; it is now rather uniform, varying from 38° on our north east coasts to 45° in the south of England and in France, while at Coruna it increases to 53°. Wind is W. at all the more northern stations but in the east of France it draws into NE and E; it is generally light in force but blows strongly at the Shetlands, and with the force of a fresh gale at Christiansund. Sea is rough at Sumburgh Hd. and Christiansund, slight or smooth in other places.

Barometrical Indications. The barometer has fallen since yesterday in all parts of Western Europe. The area of highest pressure now lies over our south western stations and depressions seem to be travelling from W. to E. some distance to the N.ward of our Islands.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,
116, Victoria Street, Westminster, S.W.

R.H. SCOTT.
Secretary.

DAILY WEATHER REPORT — FEBY 25TH — 1878

STATIONS.	† YESTERDAY EVENING					8 A.M. TO DAY									PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Weather.	Sea. (0 to 9.)	Shade Temp.		Amount of Rainfall
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.	
Haparanda ...	29·32	14	W	2	b	29·25	+ ·04	−1	−1	− ·29	SW	2	bc	*	32	−2	—
Hernösand ...	29·44	30	WSW	2	c	29·15	− ·35	29	28	− 8	W	2	o	*	*	*	0·08
Stockholm ...	29·58	38	SW	4	o	29·33	− ·32	37	34	+ 1	W	6	b	*	*	*	—
Wisby	29·79	38	SW	6	c	29·55	− ·25	37	36	− 2	WNW	6	bc	*	*	*	—
Christiansund ...	29·29	38	SW	4	c	29·13	− ·47	34	32	− 3	SW	4	c	6	?	30	0·28
Skudesnaes ...	29·72	39	W	5	o	29·52	− ·43	37	33	− 4	SSE	8	oss	5	43	?	0·12
Oxö (Christiansand)	29·81	42	WSW	6	c	29·57	− ·39	39	37	− 1	WSW	5	bc	4	45	36	—
Skagen (The Skaw)	29·82	39	W	5	b	29·61	− ·33	39	36	0	WNW	6	b	6	43	34	—
Fanö	29·96	40	WSW	4	o	29·82	− ·29	40	40	0	W	4	c	*	41	37	—
Cuxhaven ...	30·10	44	W	3	o	29·93	− ·27	42	42	− 1	W	3	c	*	45	39	—
Sumburgh Head	29·61	39	W	5	c	29·47	− ·33	37	32	− 5	NW	7	c	6	44	34	0·30
Stornoway	29·87	39	W	7	bq	29·78	− ·14	37	36	− 5	WNW	3	ocp	5	47	34	0·33
Thurso	29·79	39	W	5	b	29·71	− ·20	38	38	− 3	WSW	4	o	5	49	35	0·23
Wick	29·81	39	NNW	4	bc	29·72	− ·19	35	34	− 8	W	4	o	2	48	33	0·06
Nairn	29·91	40	W	2	bc	29·84	− ·17	36	34	− 3	W	1	o	1	49	35	0·06
Aberdeen ...	29·91	45	W	3	b	29·81	− ·25	40	35	+ 2	WSW	2	b	1	49	36	—
Leith	30·00	45	WSW	3	bc	29·90	− ·22	39	38	− 3	WSW	3	b	*	50	38	—
Shields	30·07	47	WNW	3	o	29·97	− ·22	41	38	+ 3	W	2	o	1	50	37	—
Scarborough .	30·08	47	WNW	2	bc	30·00	− ·20	42	40	+ 3	W	1	o	1	50	41	—
York	30·12	47	W	2	c	30·04	− ·18	42	40	− 2	W	1	o	*	52	40	0·02
Nottingham ...	30·18	48	Z	0	o	30·12	− ·14	45	43	+ 2	NW	3	o	*	53	42	0·07
Ardrossan ...	30·06	46	WNW	3	o	29·96	− ·20	45	41	0	W	4	c	3	48	42	0·03
Greencastle ...	30·09	45	W	1	o	30·03	− ·13	42	40	+ 1	W	2	r	*	49	39	0·06
Donaghadee ...	30·13	46	WSW	2	r	30·08	− ·14	39	38	− 5	W	2	b	1	49	38	0·02
Kingstown ...	30·19	50	WNW	4	o	30·15	− ·11	45	43	− 2	WNW	4	c	4	51	44	—
Holyhead ...	30·18	48	WSW	2	o	30·14	− ·12	44	43	− 2	WNW	3	c	2	50	43	0·07
Liverpool (Bidston)	30·17	45	W	3	o	30·11	− ·14	42	39	− 2	W	3	bc	1	49	42	0·06
Valencia	30·24	49	WSW	3	op	30·24	− ·05	47	46	0	W	2	bc	3	54	43	0·06
Roche's Point...	30·24	49	W	3	c	30·23	− ·08	48	46	+ 5	WNW	3	bc	3	51	42	—
Pembroke ...	30·24	47	WNW	1	b	30·19	− ·09	47	46	0	W	1	c	2	50	45	—
Portishead ..	30·21	46	WSW	3	o	30·16	− ·12	46	45	+ 3	WSW	4	c	4	51	41	—
Scilly																	
Plymouth ...	30·23	47	Z	0	o	30·23	− ·05	45	44	0	NW	1	bcp	*	49	38	—
Hurst Castle ...	30·22	48	NNW	2	o	30·19	− ·08	45	44	+ 1	WSW	3	cw	2	51	42	—
Dover	30·20	45	WSW	5	c	30·15	− ·12	45	43	+ 1	W	2	bc	1	47	43	—
London	30·17	47	WNW	1	o	30·17	− ·11	44	42	+ 1	WSW	1	o	*	49	41	—
Oxford	*	*	*	*	*	30·14	− ·12	44	43	+ 1	WSW	1	o	*	48	43	
Cambridge ...	30·17	47	W	1	o	30·12	− ·15	44	43	+ 1	SW	1	o	*	51	42	0·03
Yarmouth ...	30·15	43	Z	0	bc	30·06	− ·18	44	43	+ 1	W	3	cmg	1	48	41	—
The Helder ...	*	*	*	*	*	30·01	− ·21	43	42	0	SW	1	c	*	*	*	—
Cape Gris Nez	30·21	43	SW	1	f	30·15	− ·11	45	45	+ 2	W	1	o	0	46	43	0·04
Jersey																	
Brest	30·30	?	N	2	o	30·31	+ ·01	45	43	+ 2	N	2	o	3	50	41	0·08
L'Orient	30·28	45	NNW	1	m	30·29	− ·02	45	?	+ 4	NNW	3	o	3	46	39	—
Rochefort ...	30·25	45	NNW	3	f	30·29	+ ·03	39	39	?	N	4	o	3	46	32	—
Biarritz	30·29	50	N	2	o	30·29	+ ·03	46	45	0	SSE	2	r	3	52	41	0·57
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30·13	− ·18	43	42	0	SW	3	r	*	44	42	0·04
Charleville ...	*	*	*	*	*	? 30·07	− ·12	41	*	+ 3	SW	3	r	*	*	*	*
Paris	30·23	42	WSW	1	o	30·20	− ·08	42	40	+ 2	SW	2	r	*	*	*	0·04
Lyons	*	*	*	*	*	30·24	− ·10	45	*	+ 2	SE	2	o	*	*	*	*
Toulon	30·18	50	SE	4	c	30·12	− ·16	46	45	+ 1	Z	0	bc	3	55	45	0·16

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	?	42	42	1 ?	5	0	4	Valencia							
Thurso								Scilly							
Scarborough ...								London							*
Greencastle ...							*	Rochefort ...	30·24	39	39	ENE	3	f	3
Holyhead															

EXPLANATION OF COLUMNS.

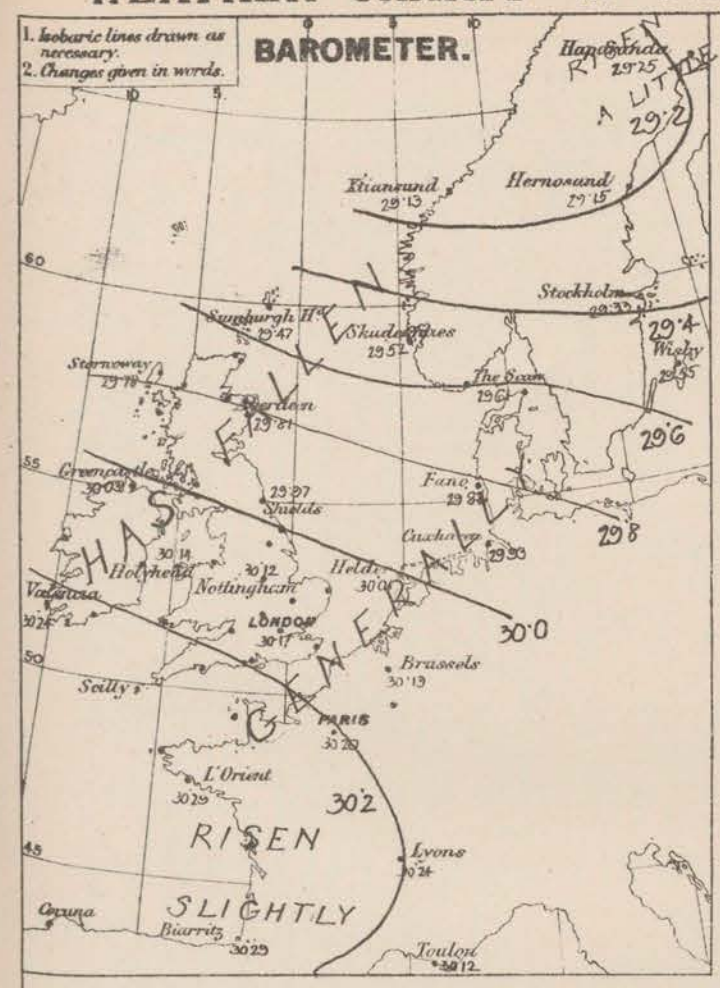
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail, l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility unusual transparency; w. dew.

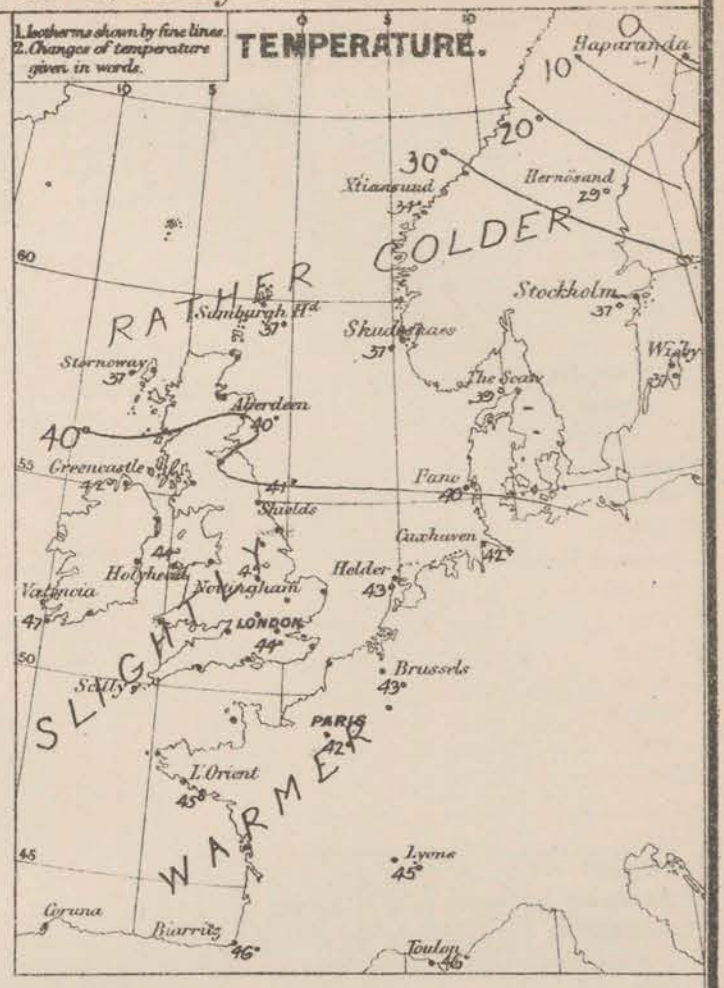
* AN ASTERISK is inserted in all places for which information is not usually received.

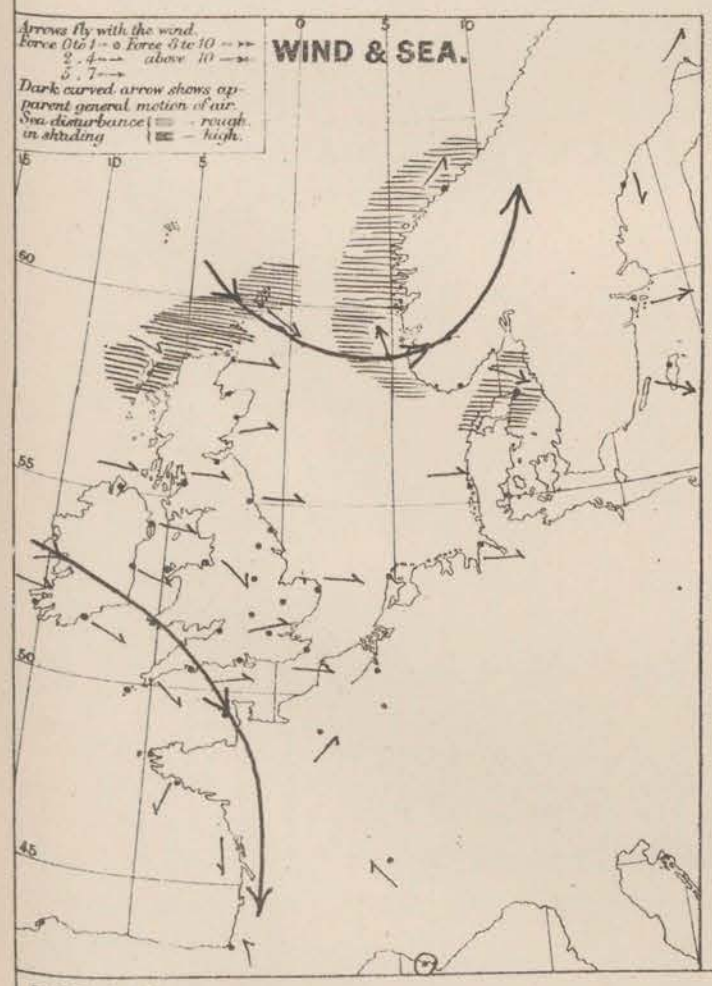
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

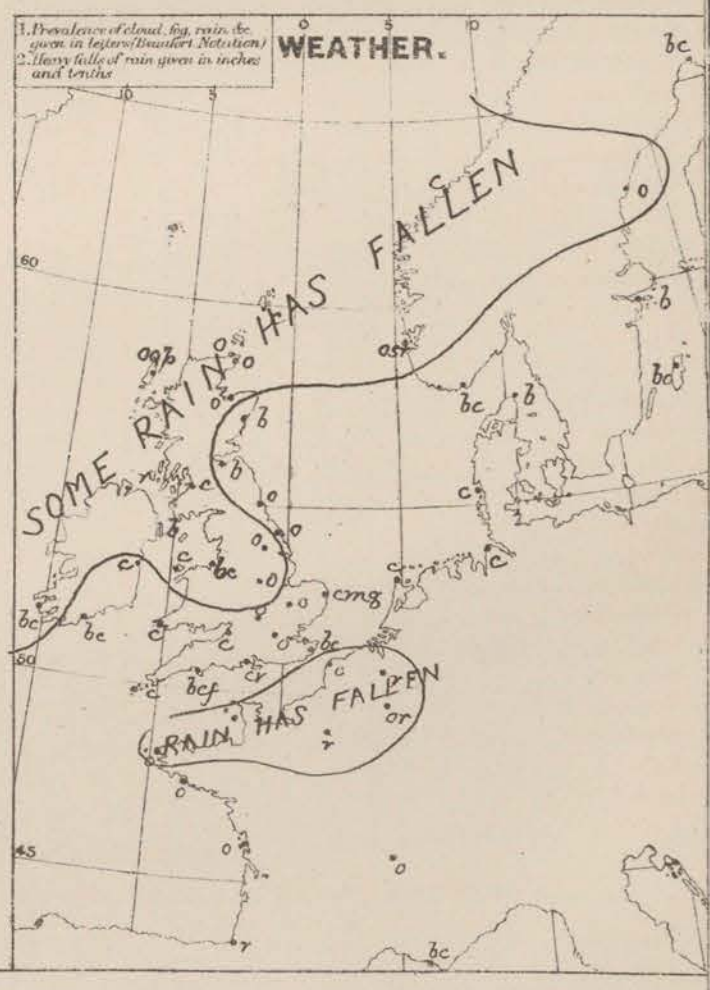
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Monday 25TH FEBY 1878









REMARKS. Weather is moderately clear at some of our western and northern stations but is cloudy or dull generally, with rain in the north east of France, snow at Skudesnaes and fog at Falmouth. Rain has occurred in the north and west, but in small amounts except in the extreme north of Scotland. Temperature has risen a few degrees over France and the south of England, but fallen slightly elsewhere; it varies over these Islands from 48° at Falmouth to 35° at Wick. In the Gulf of Bothnia the thermometer has fallen fast and at Haparanda is now as low as —1° F. Wind is generally light from W. on our coasts and from N. over the west of France, but in the Shetlands it blows hard from NW and at Skudesnaes from SSE. Sea is rough to the N^ward of Scotland slight on our western coasts, and smooth in the east and south.

Barometrical Indications Pressure is decreasing in all parts of Western Europe except the north-west of France. It is highest at Brest and lowest over the north of Scandinavia, but a small subsidiary depression lies near the Shetland Isles.

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Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT. Secretary

DAILY WEATHER REPORT FEBY 26TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.19	5	N	2	bc	29.36	+ .11	3	2	+ 4	N	4	b	*	12	-2	–
Hernösand ...	29.10	29	NE	4	s	29.40	+ .25	19	18	– 10	NNE	4	c	*	*	*	0.08
Stockholm ...	29.16	34	S		b	29.19	– .14	28	26	– 9	NW	4	o	*	*	*	–
Wisby	29.41	37	WSW	6	d	29.21	– .34	32	30	– 5	NNW	8	c	*	*	*	–
Christiansund ...	29.22	33	E	1	c	29.53	+ .40	30	28	– 4	NE	5	c	5	34	25	–
Skudesnaes ...	29.45	35	NNW	4	bc	29.62	+ .10	36	32	– 1	WNW	6	b	4	37	?	–
Oxö (Christiansund)	29.37	37	WSW	6	b	29.56	– .01	33	32	– 6	WSW	4	b	2	39	30	–
Skagen (The Skaw)	29.33	38	WNW	8	b	29.50	– .11	36	32	– 3	NNW	5	b	5	41	32	0.04
Fanö	29.59	40	W	6	b	29.69	– .13	36	34	– 4	NW	6	b	*	43	34	–
Cuxhaven ...	29.83	42	WNW	5	b	29.79	– .14	39	37	– 3	NW	6	b	*	45	37	0.03
Sumburgh Head	29.55	34	N	5	bc	29.68	+ .21	33	32	– 4	WNW	1	b	2	39	28	0.09
Stornoway	29.83	37	N	4	s	29.81	+ .03	34	33	– 3	WSW	1	ops	3	42	32	0.16
Thurso	29.72	37	NNW	5	c	29.77	+ .06	37	35	– 1	WNW	4	o	4	41	33	0.36
Wick	29.71	34	NW	3	bc	29.79	+ .07	34	34	– 1	WSW	2	s	2	37	31	0.34
Nairn	29.81	36	W	3	c	29.85	+ .01	34	33	– 2	W	1	bc	1	44	34	0.07
Aberdeen ...	29.75	41	N	4	c	29.86	+ .05	35	33	– 5	WSW	2	bc	1	47	34	0.07
Leith	29.80	43	W	4	bc	29.88	– .02	41	39	+ 2	WSW	3	o	*	47	37	–
Shields	29.88	45	W	5	bc	29.95	– .02	42	40	+ 1	W	1	of	1	46	39	–
Scarborough ..	29.93	44	WSW	2	o	29.97	– .03	41	39	– 1	WSW	2	o	2	48	39	–
York	29.98	45	W	5	o	30.00	– .04	42	40	0	WSW	1	o	*	48	39	0.01
Nottingham ...	30.09	45	WNW	2	c	30.04	– .06	46	46	+ 1	SW	2	o	*	50	42	0.24
Ardrossan ...	29.88	45	WNW	6	ry	29.91	– .05	45	43	0	SSW	2	o	2	47	43	0.09
Greencastle ...	29.98	45	W	4	b	29.93	– .10	43	43	+ 1	SW	2	o	*	49	40	0.11
Donaghadee ...	30.00	48	WNW	3	b	29.97	– .11	43	43	+ 4	W	2	o	1	48	36	–
Kingstown ...	30.10	49	WNW	5	c	30.05	– .10	48	44	+ 3	SSW	3	o	3	50	44	–
Holyhead ...	30.09	47	W	3	o	30.05	– .09	46	46	+ 2	SW	3	o	2	49	44	0.04
Liverpool (Bidston)	30.04	45	WSW	4	c	30.03	– .08	46	44	+ 4	WSW	3	o	3	48	43	0.09
Valencia	30.20	50	SW	3	c	29.99	– .25	51	49	+ 4	SSE	5	c	5	54	46	0.04
Roche's Point...	30.20	51	WNW	3	bc	30.07	– .16	48	46	0	SW	3	o	3	54	45	–
Pembroke ...	30.18	47	WSW	2	c	30.12	– .07	47	47	0	SSW	2	o	2	48	46	–
Portishead ...	30.16	47	WSW	2	o	30.15	– .01	46	45	0	WSW	2	o	3	51	44	–
Scilly																	
Plymouth ...	30.23	50	NW	1	o	30.20	– .03	46	45	+ 1	W	1	of	*	54	42	–
Hurst Castle ...	30.17	48	WNW	3	b	30.19	.00	47	46	+ 2	SW	4	bc	3	51	43	–
Dover	30.09	48	WNW	3	bc	30.14	– .01	45	44	0	SW	3	bc	2	52	42	–
London	30.11	49	W	2	bc	30.14	– .03	42	40	– 2	WSW	3	c	*	54	40	–
Oxford	*	*	*	*	*	30.13	– .01	46	45	+ 2	WSW	1	o	*	50	44	–
Cambridge ...	30.08	44	W	1	c	30.08	– .02	45	44	+ 1	SW	1	o	*	52	38	–
Yarmouth ...	30.03	44	W	3	bcm	30.04	– .02	42	41	– 2	WNW	1	bcm	1	47	40	–
The Helder... ...	*	*	*	*	*	29.98	– .03	42	40	– 1	WNW	1	bc	*	*	*	0.08
Cape Gris Nez	30.12	46	WSW	4	c	30.17	+ .02	46	45	+ 1	W	4	c	3	46	44	–
Jersey																	
Brest	30.34	?	N	2	bc	30.32	+ .01	46	45	+ 1	SW	2	o	3	52	43	–
L'Orient	30.33	48	NW	3	o	30.35	+ .06	41	41	– 4	W	1	m	3	52	37	–
Rochefort ...	30.29	50	NW	4	o	30.38	+ .09	46	45	+ 7	S	2	o	3	52	36	–
Biarritz	30.34	50	SW	2	o	30.36	+ .07	43	41	– 3	E	1	bc	3	52	39	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.11	– .02	45	44	+ 2	WSW	4	o	*	49	43	0.04
Charleville ...	*	*	*	*	*	30.10	+ .03	44	*	+ 3	NW	3	o	*	*	*	*
Paris	30.21	48	W	1	o	30.28	+ .08	47	45	+ 5	WSW	3	o	*	*	*	–
Lyons	*	*	*	*	*	30.36	+ .12	48	*	+ 3	SE	2	o	*	*	*	*
Toulon	30.03	54	NW	5	m	30.17	+ .05	48	43	+ 2	E	0	m	5	55	46	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.36	37	33	NNW	9	chs	7
Thurso	29.67	36	34	NNW	4	r	5
Scarborough ...	29.94	47	43	W	2	o	2
Greencastle ...	30.00	46	41	W	4	o	*
Holyhead	30.13	48	47	W	3	bc	1

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Valencia	30.22	52	50	W	2	cp	3
Scilly							
London	30.10	53	48	W	2	o	*
Rochefort ...	30.30	48	45	NW	3	o	3

No important change.

EXPLANATION OF COLUMNS.

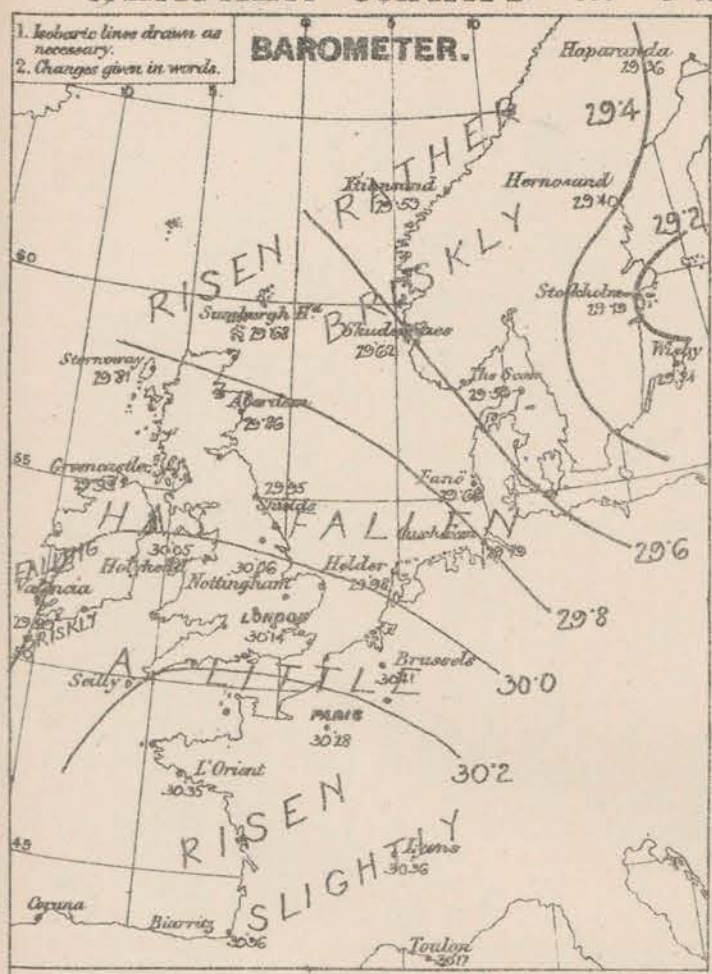
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

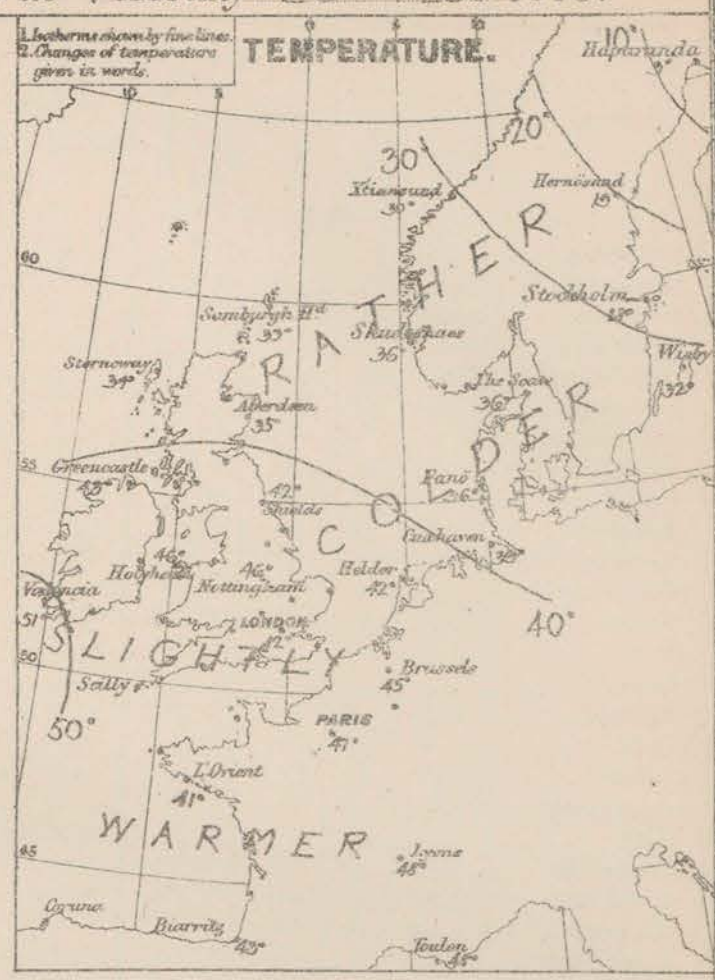
* AN ASTERISK is inserted in all places for which information is not usually received.

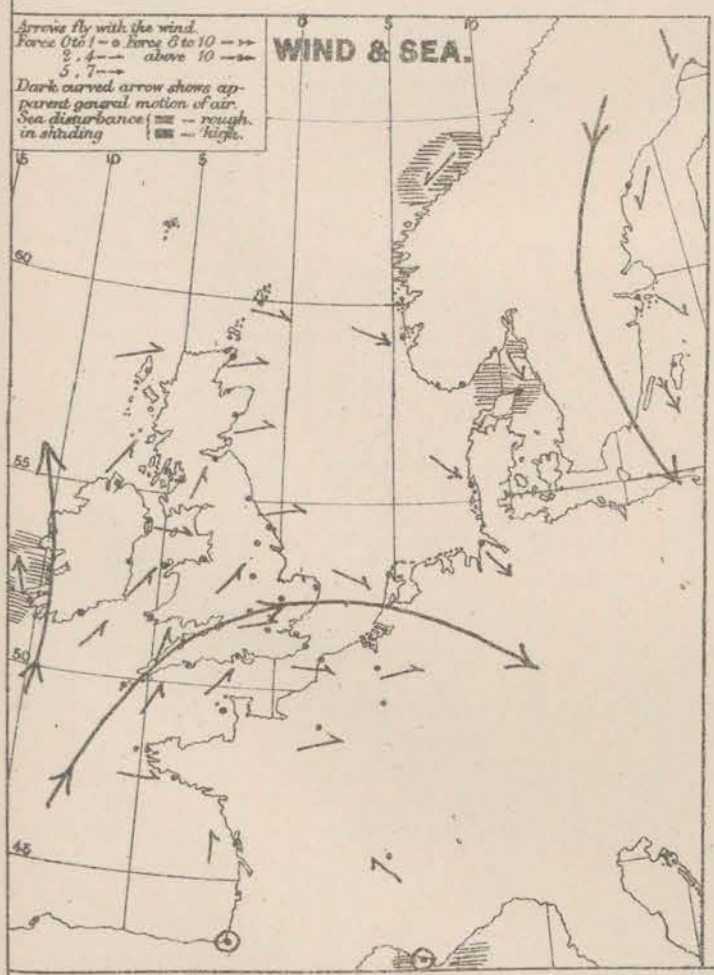
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

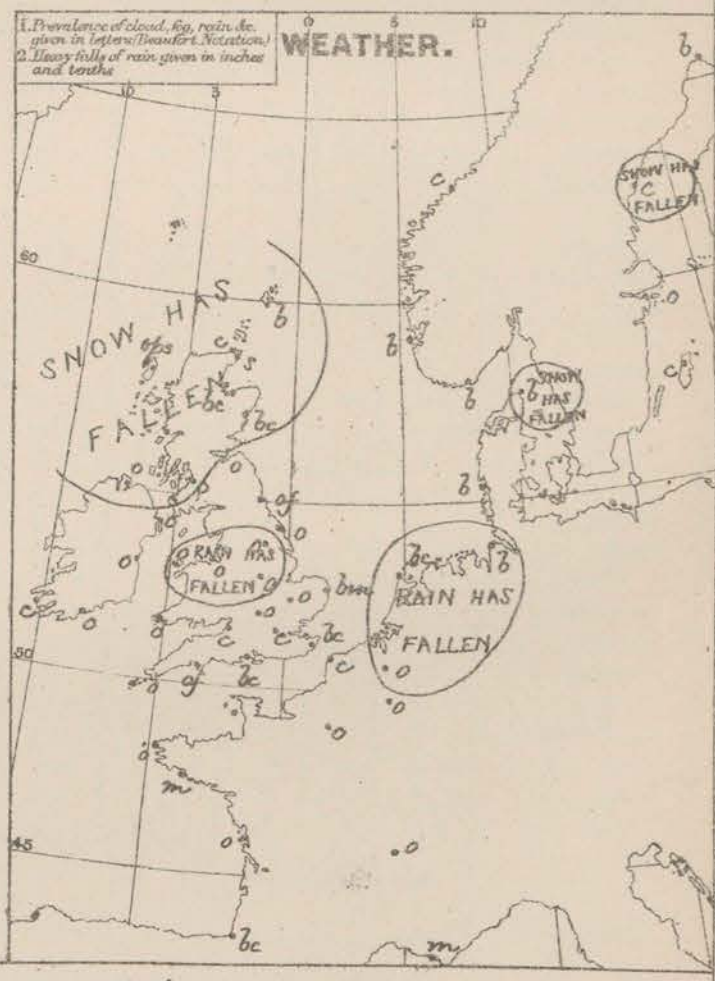
N.B.—The wind is said to "veer" when its direction changes *with the sun*, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Tuesday 26th Feby 1878.









REMARKS. Weather is clear on the eastern shores of the North Sea and in the Shetlands but in all other places the sky is overcast or more or less cloudy, with mist or fog at some of the southern stations, snow in the north of Scotland. Rain fell in the north west and north yesterday. Temperature has fallen in the north but is scarcely changed elsewhere; it varies from 51° at Valentia to 34° in the north of Scotland and to 3° in the Gulf of Bothnia, in France it is uniform at about 45°. Wind is NW and strong in force over Scandinavia and Denmark, light from W. or S.W. on most of our coasts and the French coast, but fresh from SE at Valentia. Sea is rough off the west coasts of Ireland and Norway, moderate to slight elsewhere. Barometrical Indications. Pressure is increasing over France and on both shores of the North Sea but a fresh decrease has set in during the night on our western coasts and has been rather brisk at Valentia. A slight disturbance appears to be approaching the west coast of Ireland, while that which lay over Scandinavia yesterday is disappearing E.ⁿᵈ.

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Meteorological Office, 116, Victoria Street, Westminster, S.W.

R. H. SCOTT. Secretary.

DAILY WEATHER REPORT FEB^Y 27TH 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.71	4	N	2	b	29.98	+ .62	-10	-11	- 13	N	2	b	*	16	-11	-
Hernösand ...	29.86	12	Z	0	b	30.04	+ .64	1	?	- 18	Z	0	b	*	*	*	-
Stockholm ...	29.75	20	N	5	b	30.04	+ .85	15	13	- 13	NNW	2	b	*	*	*	-
Wisby	29.68	28	N	8	b	30.01	+ .80	27	26	- 5	NNE	6	bc	*	*	*	-
Christiansund ...	29.69	28	SE	1	b	29.69	+ .16	30	?	0	SSE	4	b	2	?	23	0.16
Skudesnaes ...	29.76	33	NNE	1	b	29.81	+ .19	36	34	0	SE	6	0	5	39	?	-
Oxö (Christiansand)	29.77	?	NSW	?	?	29.91	+ .35	34	33	+ 1	NNE	2	0	3	39	32	-
Skagen (The Skaw)	29.81	36	SE	3	bc	29.96	+ .46	35	33	- 1	SSE	4	0	4	39	30	-
Fanö	29.92	37	W	4	0	29.97	+ .28	39	39	+ 3	SW	4	c	*	39	34	-
Cuxhaven ...	29.95	39	NW	5	0	30.03	+ .24	39	39	0	S	3	r	*	39	36	0.05
Sumburgh Head	29.71	35	NW	3	c	29.59	- .09	39	37	+ 6	SE	3	0	3	40	29	-
Stornoway	29.74	39	N	1	bc	29.44	- .37	47	47	+ 13	SW	3	r	4	?	32	0.14
Thurso	29.76	34	Z	0	bc	29.51	- .26	39	39	+ 2	S	1	r	2	40	33	0.26
Wick	29.76	34	NW	1	b	29.52	- .27	43	42	+ 9	S	2	0	2	47	31	0.08
Nairn	29.83	42	W	1	b	29.56	- .29	40	39	+ 6	Z	0	0	1	44	34	0.03
Aberdeen ...	29.79	43	NSW	1	c	29.58	- .29	45	44	+ 10	SSW	3	r	1	45	35	0.09
Leith	29.80	47	W	3	0	29.61	- .27	48	46	+ 7	SW	3	0	*	50	40	0.16
Shields	29.88	47	W	2	0	29.68	- .27	47	44	+ 5	SSW	2	0	1	49	40	0.05
Scarborough ..	29.92	47	NSW	2	0	29.80	- .17	46	45	+ 5	S	2	0	2	48	41	0.03
York	29.96	48	W	2	0	29.80	- .19	46	45	+ 4	S	2	0	*	50	40	-
Nottingham ...	30.00	48	SSW	3	0	29.84	- .22	47	45	+ 1	SSW	6	0	*	53	45	-
Ardrossan ...	29.81	46	SSW	3	r	29.61	- .30	47	46	+ 2	S	2	r	3	48	45	0.31
Greencastle ...	29.75	44	SSE	1	r	29.50	- .43	47	46	+ 4	S	3	0	*	50	42	0.32
Donaghadee ...	29.81	47	S	3	r	29.59	- .38	47	47	+ 4	SSW	6	r	3	49	43	0.18
Kingstown ...	29.89	52	S	3	0	29.63	- .42	49	47	+ 1	S	4	bc	3	53	47	0.01
Holyhead ...	29.93	49	SSW	4	d	29.70	- .35	47	47	+ 1	SSW	4	r	3	50	46	0.08
Liverpool (Bidston)	29.94	48	SW	2	0	29.76	- .27	46	45	0	SE	2	0	2	50	46	0.05
Valencia	29.80	51	SSW	7	cp	29.57	- .48	52	51	+ 1	SSW	7	omg	6	54	49	0.25
Roche's Point...	29.90	50	SSW	5	0	29.62	- .45	50	49	+ 2	SSW	6	r	4	52	46	0.36
Pembroke ...	30.03	48	SW	3	om	29.76	- .34	48	48	+ 1	S	4	om	4	49	46	0.14
Portishead ...	30.03	48	WSW	3	r	29.88	- .27	48	47	+ 2	SSW	5	c	5	51	44	0.10
Scilly																	
Plymouth ...	30.12	49	SW	3	0	29.90	- .30	50	49	+ 4	SW	5	or	*	52	45	0.02
Hurst Castle ...	30.14	48	SW	5	cp	29.99	- .20	48	47	+ 1	SSW	6	og	6	50	44	0.03
Dover	30.15	47	NSW	4	bc	30.03	- .11	46	44	+ 1	SSW	5	c	4	52	44	-
London	30.11	50	NSW	3	c	29.99	- .15	45	43	+ 3	SW	3	ow	*	52	42	-
Oxford	*	*	*	*	*	?	?	46	45	0	S	2	0	*	50	45	0.01
Cambridge ...	30.05	48	?	2	0	29.93	- .15	45	43	0	S	2	0	*	52	44	-
Yarmouth ...	30.04	48	W	3	c	29.96	- .08	44	43	+ 2	SSW	3	bm	2	51	46	0.01
The Helder... ...	*	*	*	*	*	30.00	+ .02	44	44	+ 2	SW	2	c	*	*	*	0.16
Cape Gris Nez	30.17	46	WSW	5	0	30.06	- .11	45	43	- 1	S	4	0	3	48	43	-
Jersey																	
Brest	30.21	?	S	4	0	30.02	- .30	50	50	+ 4	SW	4	0	4	50	45	-
L'Orient... ...	30.26	48	SSW	3	0	30.08	- .27	48	48	+ 7	SSW	3	bo	3	52	39	-
Rochefort ...	30.28	48	SSW	2	bc	30.21	- .17	43	41	- 3	SSE	3	0	3	54	36	-
Biarritz	30.29	52	ENE	3	bc	30.22	- .14	52	48	+ 9	SSW	1	c	3	59	39	-
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	30.13	+ 2	45	43	0	SW	2	0	*	49	43	0.08
Charleville ...	*	*	*	*	*	? 30.11	+ 1	42	*	- 2	SSW	1	0	*	*	*	*
Paris	30.26	49	SW	1	0	30.14	- .12	42	40	- 5	SE	3	0	*	*	*	-
Lyons	*	*	*	*	*	30.31	- .05	45	*	- 3	S	2	f	*	*	*	*
Toulon	30.23	52	Z	0	m	30.33	+ .16	46	46	- 2	SW	1	m	3	57	46	-

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.72	39	34	NNW	6	c	3
Thurso	29.77	36	36	NNW	1	0	4
Scarborough ...	29.94	46	45	SW	2	m	2
Greencastle ...	29.86	47	46	SW	1	0	*
Holyhead	29.99	48	48	SSW	4	mw	3

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Valencia	29.87	53	51	SSW	8	rg m	6
Scilly							
London	30.12	52	47	WSW	4	q	*
Rochefort ...	30.31	55	50	S	2	bc	3

Pressure is decreasing in all places this afternoon but the change is not great. The wind has risen to a fresh gale at Valencia from SSW.

EXPLANATION OF COLUMNS.

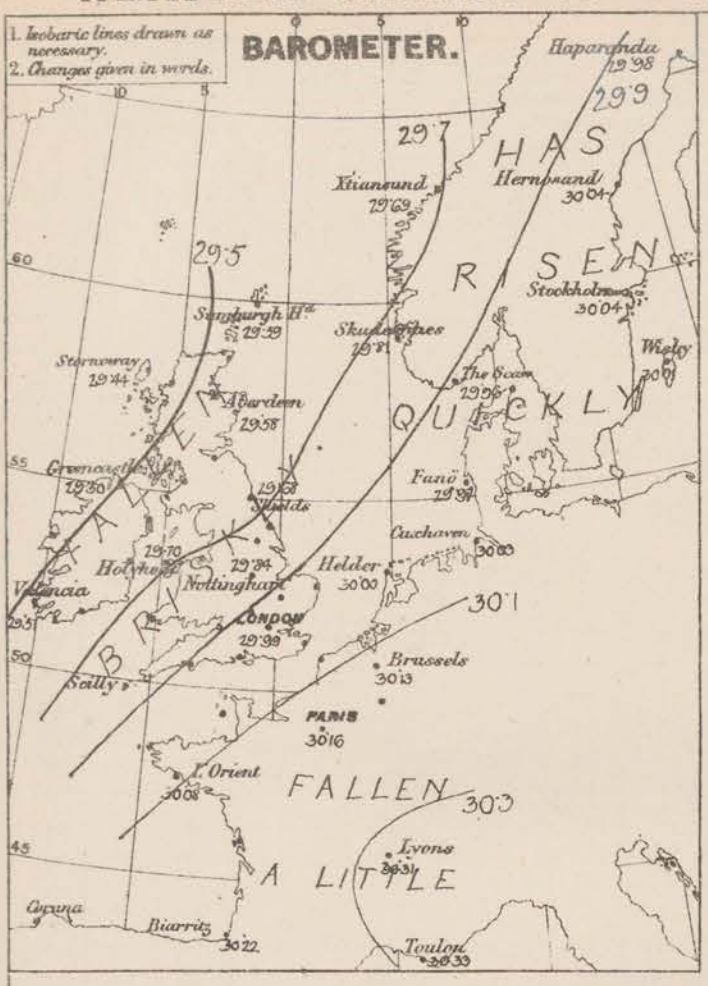
WEATHER.—*Beaufort Scale* is, b. blue sky, c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

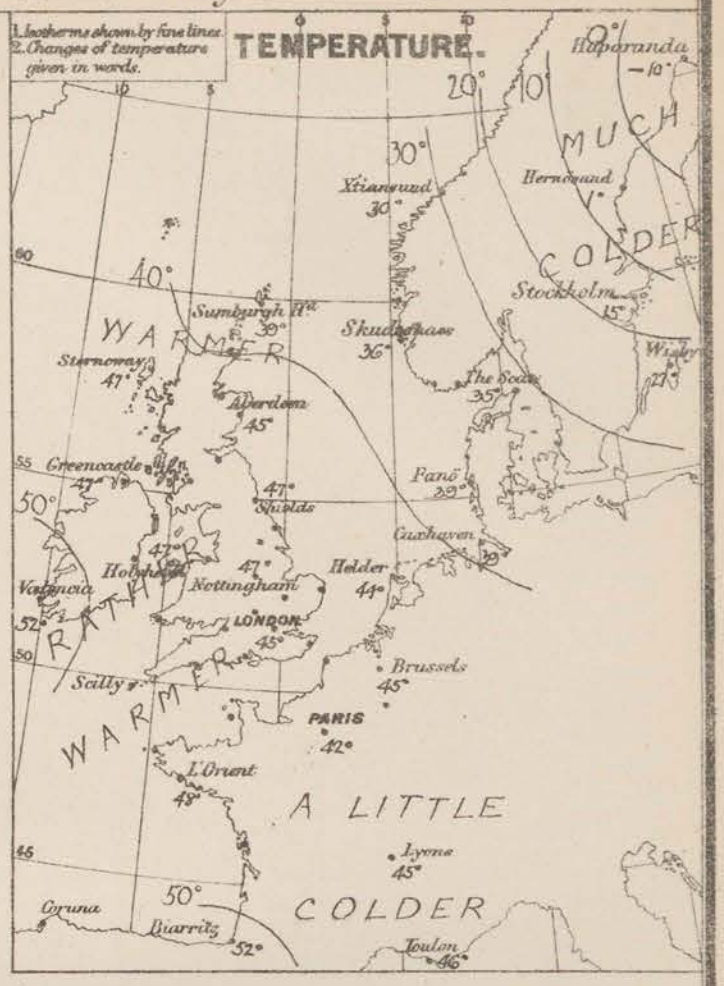
* AN ASTERISK is inserted in all places for which information is not usually received.

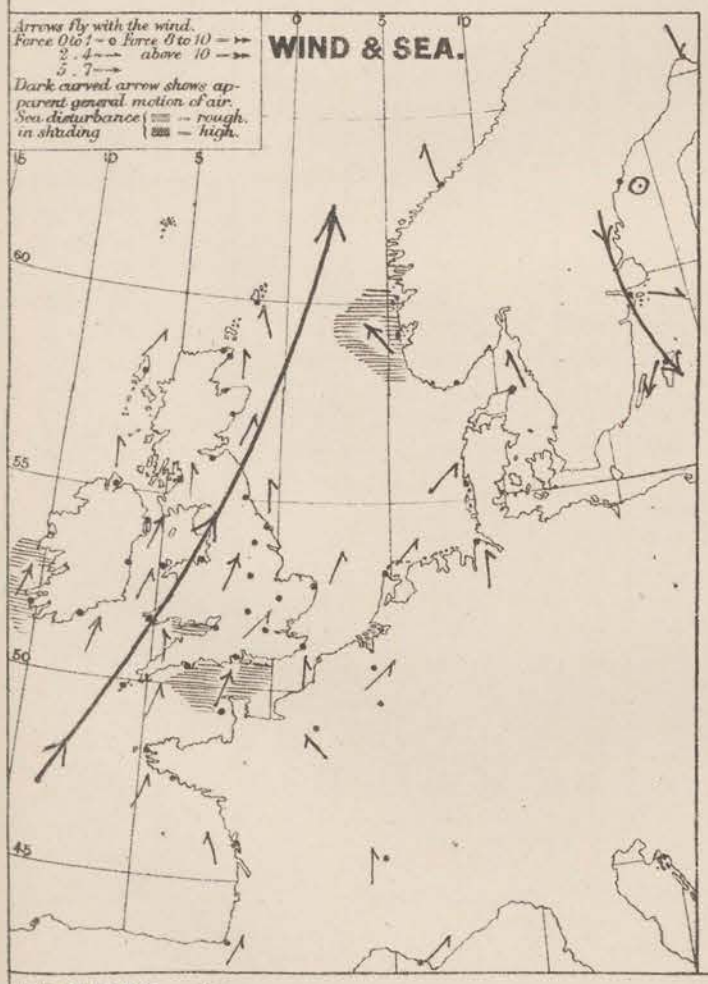
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

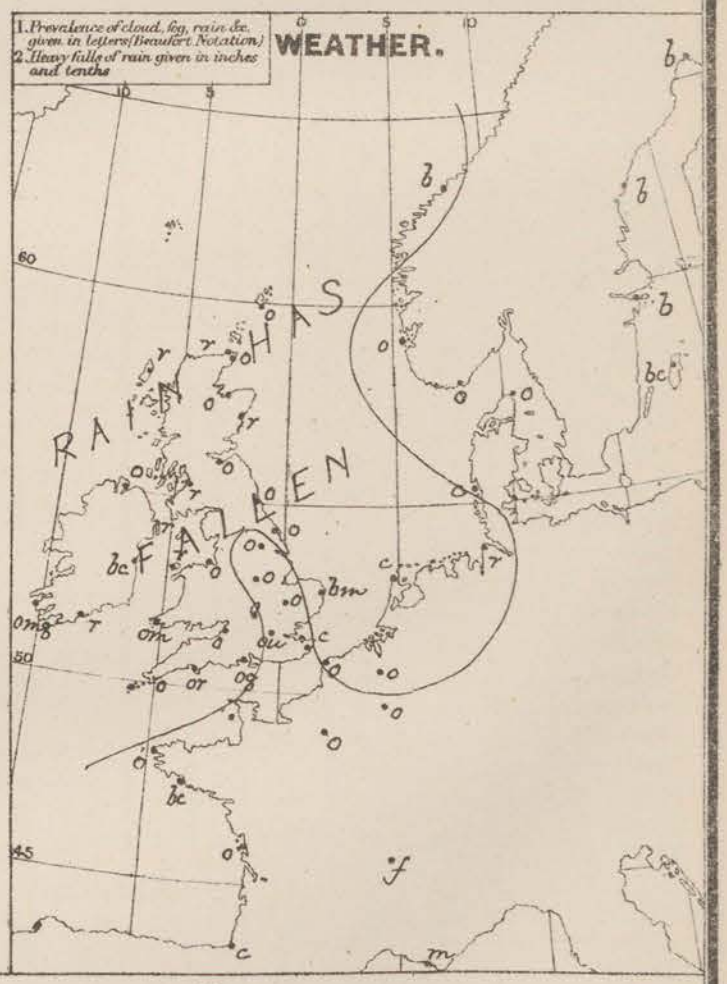
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Wednesday 27TH FEBY 1878.









REMARKS. Weather is clear in Sweden, but overcast in nearly all other places, with rain at many of our northern and western stations, mist and a gloomy appearance at Valentia and Hurst Castle, fog in the south of France. Rain has fallen over the greater part of the country, but nowhere heavily. Temperature has risen slightly over these Islands but has fallen slightly in Central France and rapidly in Sweden. It varies from 39° to 48° over Holland, from 47° to 52° over Ireland and from 42° to 52° over England and France but at Werro and the thermometer is as low as 1° F. and Haparanda as −10° F. Wind is S^b to SW^b on all our coasts as well as over France and the North Sea but in the Baltic it is N^b; it is light or moderate in force in most places but blows strongly in the south of Ireland and over the Channel. Sea is rough off Valentia and in the Channel, smooth in the east, slight in the north.

Barometrical Indications. Pressure has increased rapidly over the Baltic but has decreased in all parts of Western Europe. It is highest over the south east of France, and lowest off our north west coasts, where the barometer has fallen rather briskly during the past night.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/ per quarter, book post 5/ per quarter.

Meteorological Office, 116, Victoria Street, Westminster, S.W.

R.H. SCOTT. Secretary

DAILY WEATHER REPORT Feby 28th 1878.

STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Haparanda ...	29.93	5	S	4	bc	29.65	− .33	20	19	+ 30	S	6	o	*	?	−11	–
Hernösand ...	29.94	26	S	6	bc	29.76	− .28	27	25	+ 26	SSW	2	c	*	*	*	–
Stockholm ...	30.07	24	SSW	4	bc	29.97	− .07	32	30	+ 17	S	6	o	*	*	*	–
Wisby	30.14	25	SW	4	b	30.05	+ .04	30	28	+ 3	SW	4	bc	*	*	*	–
Christiansund ...	29.62	37	SE	3	o	29.53	− .16	38	37	+ 8	SE	1	r	3	?	?	0.08
Skudesnaes ...	29.66	41	WSW	6	r	29.65	− .16	42	42	+ 6	SSE	6	rf	5	?	36	0.16
Oxö (Ktiansand)	29.80	39	ESE	6	r	29.76	− .15	40	40	+ 6	S	4	f	3	?	?	0.16
Skagen (The Saw)	29.90	37	S	6	r	29.88	− .08	39	38	+ 4	S	4	r	2	39	32	0.39.
Fanö	29.84	42	S	4	o	29.81	− .16	42	41	+ 3	SSE	4	o	*	?	37	0.16
Cuxhaven ...	29.99	47	SW	2	r	29.84	− .19	43	43	+ 4	S	2	o	*	?	37	0.24
Sumburgh Head	29.44	44	Z	0	o	29.47	− .12	45	44	+ 6	WSW	3	o	3	46	37	0.11
Stornoway	29.37	47	SSW	4	o	29.46	+ .02	46	45	− 1	SSW	5	ow	4	48	43	0.04
Thurso	29.43	35	S	2	r	29.51	.00	43	42	+ 4	S	1	cm	2	50	38	0.06
Wick	29.44	46	SSW	2	o	29.53	+ .01	45	44	+ 2	SSW	1	c	0	48	41	0.02
Nairn	29.45	47	Z	0	c	29.55	− .01	45	43	+ 5	Z	0	bc	1	50	40	0.02
Aberdeen ...	29.48	45	S	2	c	29.59	+ .01	39	38	− 6	SSW	1	b	1	50	38	0.04
Leith	29.49	50	WSW	1	c	29.61	.00	49	48	+ 1	WSW	1	o	*	52	45	–
Shields	29.58	52	SSW	2	o	29.72	+ .04	49	47	+ 2	W	2	of	2	52	45	0.04
Scarborough ..	29.63	50	SSW	3	c	29.75	− .05	48	47	+ 2	WSW	3	bc	2	52	46	0.01
York	29.64	51	S	1	c	29.79	− .02	48	47	+ 2	WSW	2	c	*	53	45	0.01
Nottingham ...	29.66	50	S	1	r	29.85	+ .01	50	49	+ 3	SSW	3	o	*	54	44	0.02
Ardrossan ...	29.47	48	SE	1	o	29.62	+ .01	47	46	0	S	2	of	2	50	47	0.20
Greencastle ...	29.42	50	S	1	o	29.53	+ .03	48	47	+ 1	S	2	r	*	52	45	0.18
Donaghadee ...	29.49	49	SW	3	bc	29.64	+ .05	47	47	0	S	4	o	3	50	45	0.01
Kingstown ...	29.52	53	W	4	bc	29.68	+ .05	53	51	+ 4	S	1	o	4	54	45	0.03
Holyhead ...	29.55	48	SSW	4	m	29.72	+ .02	48	48	+ 1	SSW	2	f	2	50	47	0.47
Liverpool (Bidston	29.58	49	SE	2	r	29.77	+ .01	49	47	+ 2	SSW	1	o	1	55	46	0.07
Valencia	29.66	50	W	4	cp	29.65	+ .04	54	53	+ 2	S	7	omw	6	55	48	0.29
Roche's Point...	29.68	48	W	4	bc	29.77	+ .15	52	51	+ 2	SW	5	tm	4	52	45	0.68
Pembroke ...	29.63	49	WSW	4	b	29.83	+ .07	49	49	+ 1	SW	5	of	5	50	48	0.48
Portishead ...	29.58	48	SW	6	r	29.88	.00	49	49	+ 1	SSW	4	r	4	54	44	0.29
Scilly																	
Plymouth ...	29.72	51	NW	3	bc	29.95	+ .05	51	51	+ 1	SW	4	odf	*	53	49	0.26
Hurst Castle ...	29.70	50	SSW	9	r	29.95	+ .04	48	48	0	WSW	4	fr	5	51	?	0.35
Dover	29.88	47	SW	4	o	29.93	− .10	47	46	+ 1	WSW	4	bc	3	48	45	0.64
London	29.76	51	SW	4	or	29.92	− .07	49	47	+ 4	SW	2	o	*	52	45	0.19
Oxford	*	*	*	*	*	29.90	?	48	47	+ 2	WSW	1	o	*	51	46	0.22
Cambridge ...	29.69	47	S	2	r	29.87	− .06	49	48	+ 4	SW	1	o	*	52	44	0.15
Yarmouth ...	29.80	48	SSW	4	c	29.84	− .12	48	48	+ 4	W	3	cm	1	50	43	0.22
The Helder. ...	*	*	*	*	*	29.77	− .23	45	45	+ 1	SW	1	f	*	*	*	0.08
Cape Gris Nez	29.90	48	S	4	r	29.97	− .09	46	46	+ 1	WSW	4	c	3	52	43	0.32
Jersey																	
Brest	29.88	52	WSW	5	f	30.13	+ .11	52	50	+ 2	SW	4	f	5	52	48	0.12
L'Orient	30.00	50	SW	5	r	30.18	+ .10	50	50	+ 2	W	4	m	4	52	46	0.51
Rochefort ...	30.19	52	WSW	4	bc	30.26	+ .05	52	52	+ 9	W	4	r	3	57	39	0.35
Biarritz	?	52	ENE	2	b	30.45	+ .23	54	50	+ 2	ENE	2	r	3	63	48	–
Corunna	*	*	*	*	*				*						*	*	*
Brussels	*	*	*	*	*	29.94	− .19	49	48	+ 4	WSW	4	o	*	53	?	0.24
Charleville ...	*	*	*	*	*	? 29.96	− .15	48	*	+ 6	W	1	o	*	*	*	*
Paris	30.03	52	SW	2	o	30.10	− .04	51	50	+ 9	SW	3	o	*	*	*	0.20
Lyons	*	*	*	*	*	30.36	+ .05	50	*	+ 5	S	2	r	*	*	*	*
Toulon	30.33	50	W	3	m	30.33	.00	48	46	+ 2	W	4	m	3	55	?	–

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes ...	29.69	40	38	ESE	8	r	5
Thurso	29.46	48	47	S	1	o	2
Scarborough ...	29.69	51	50	S	3	c	3
Greencastle ...	29.45	49	49	S	1	r	*
Holyhead	29.60	49	49	SSW	5	r	4

	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Valencia	29.54	53	51	W	5	cq	5
Scilly							
London	29.89	52	49	SW	3	o	*
Rochefort ...	30.17	55	52	SW	4	b	3

Pressure is increasing slightly at Valencia where the wind has veered to west, but is still decreasing elsewhere.

EXPLANATION OF COLUMNS.

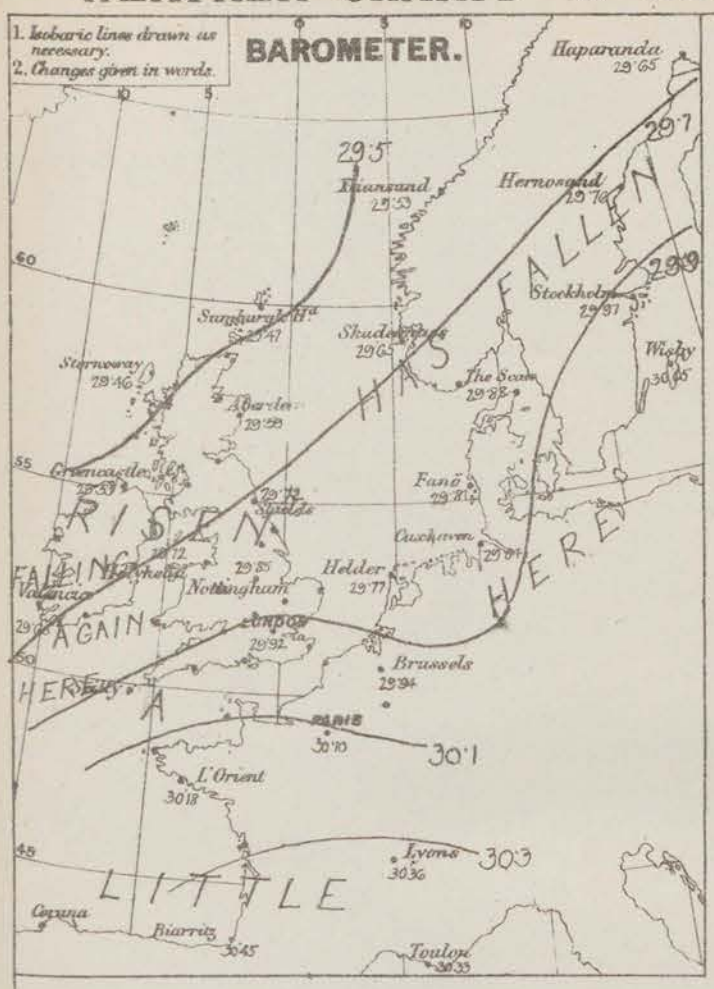
WEATHER.—*Beaufort Scale* is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

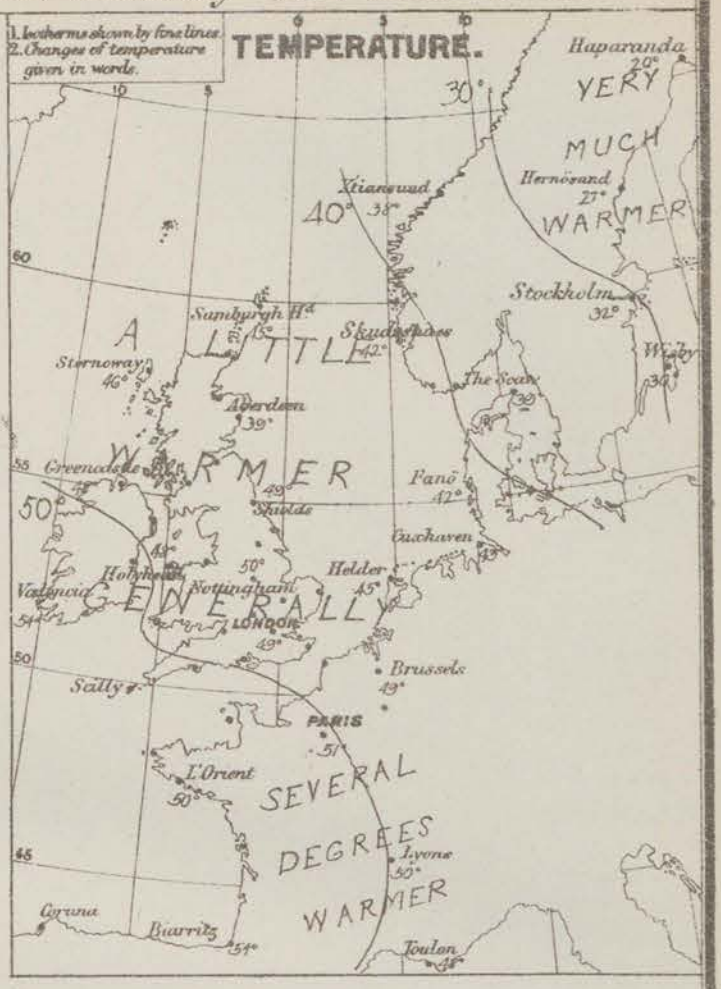
* AN ASTERISK is inserted in all places for which information is not usually received.

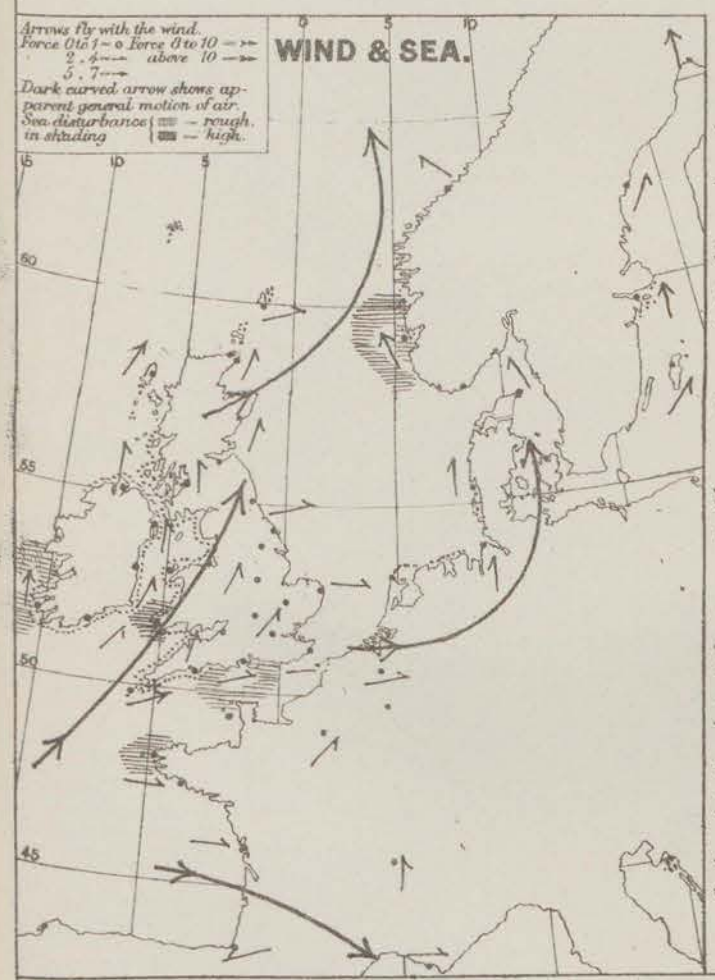
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

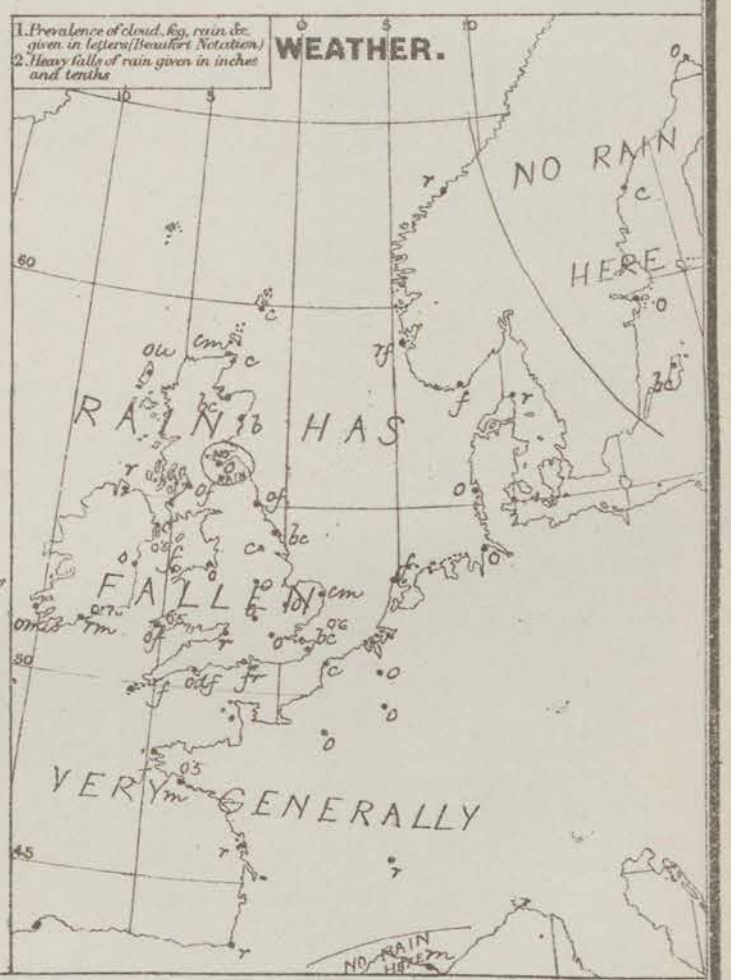
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Thursday 28th Feby 1878.









REMARKS. Weather is moderately fine at some of the east coast stations but is overcast in all other places, with a great deal of fog and rain, particularly in the south west. Rain has occurred generally, but not in large amounts except at Roches Pt and Dover. Temperature has risen in nearly all places; it varies from 54° at Valentia and Biarritz to 39° at Aberdeen; in the Gulf of Bothnia the thermometer has risen about 30° since 8 am yesterday. Wind is W or WSW over France and the Channel but has backed to S. on our south and west and north coasts, and remains S by E over Denmark and Scandinavia; in general it is light or moderate in force but in the south west it blows freshly and at Valentia strongly. Sea is rough off the west coast of Ireland as well as at Ushant and Hurst Castle, but is moderate to smooth on our other coasts.

Barometrical Indications. Pressure is increasing over the greater part of these Islands and France but a fresh decrease has commenced on our south west coasts during the night and appears to be spreading over us. A small depression which passed across Southern England last evening now lies over Holland, but the lowest pressures are still shown off our north west coasts.

Warnings:- The following has been issued to our west and south west coasts:- "Barometer falling in west after brisk rise. Wind increasing from S, with high sea. Hurst Castle Cons. Thursday. 11·5 am"

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.
Secretary

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR FEBY 1878

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
1st	Scilly	30·52	44	NE	5	c	30·60	+·09	40	36	−1	ENE	5	c	4	45	38	0
"	Coruna	*	*	*	*	*	30·33	+·09	45	*	−1	NE	9	?	4	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·60	-	42	38	-	ENE	5	bc	3	-	-	-
2nd	Scilly	30·55	41	ENE	5	c	30·46	−·14	45	44	+5	NE	4	0	2	45	?30	-
"	Scilly 2pm	-	-	-	-	-	30·46	-	44	43	-	E	2	0	2	-	-	-
3rd	Scilly	30·46	45	ENE	3	0	30·48	+·02	47	45	+2	NNE	4	0	2	47	43	-
4th	Scilly	30·48	46	NNE	4	0	30·51	+·03	43	40	−4	E	3	0	4	48	43	-
"	Coruna	*	*	*	*	*	30·29	+·01	46	*	+1	NE	?	b	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·51	-	45	43	-	ENE	2	0	2	-	-	-
5th	Scilly	30·51	45	E	4	0	30·51	·00	46	43	+3	ENE	2	0	2	46	43	-
"	Coruna	*	*	*	*	*	30·40	+·11	42	*	−4	N	1	b	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·50	-	46	43	-	ESE	5	0	4	-	-	-
6th	Christiansund	29·92	45	WSW	9	r	30·00	+·31	45	45	−1	WSW	8	r	5	45	32	2·87
"	Scilly	30·49	46	ESE	6	0	30·45	−·06	44	41	−2	SE	4	0	4	46	43	-
"	Scilly 2pm	-	-	-	-	-	30·59	-	48	44	-	r	0	0	3	-	-	-
7th	Scilly	30·51	45	WNW	1	0	30·57	+·12	47	43	+3	r	0	0	3	47	44	-
"	Coruna	*	*	*	*	*	30·45	*	39	*	?	NNE	1	b	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·59	-	48	44	-	r	0	0	3	-	-	-
8th	Scilly	30·60	46	E	2	0	30·58	+·01	45	43	−2	ESE	4	0	4	48	43	-
"	Scilly 2pm	-	-	-	-	-	30·51	-	46	42	-	ESE	5	0	4	-	-	-
9th	Scilly	30·49	44	SE	5	0	30·26	−·32	47	45	+2	S	6	0	5	47	42	-
"	Coruna	*	*	*	*	*	30·27	−·14	49	*	+5	S	3	c	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·13	-	49	48	-	S	6	r	6	-	-	-
10th	Scilly	30·06	49	S	6	r	30·03	−·23	49	49	+2	WSW	2	o f	5	49	44	0·15
11th	Scilly	29·95	48	SSW	2	0	29·86	−·17	49	49	0	SSE	5	0	4	51	47	0·01
"	Scilly 2pm	-	-	-	-	-	29·85	-	50	48	-	E	6	0	5	-	-	-
12th	Scilly	29·85	49	E	6	0	29·95	+·09	49	49	0	SE	6	0	5	50	48	0·01
"	Coruna	*	*	*	*	*	30·13	?	52	*	?	SW	6	c	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	29·87	-	51	51	-	SSE	6	r	6	-	-	-
13th	Scilly	29·86	51	S	6	r	29·93	−·02	50	49	+1	SW	5	0	5	51	48	0·40
"	Coruna	*	*	*	*	*	30·17	+·04	54	*	+2	SW	3	c p	1	*	*	*
"	Brussels	*	*	*	*	*	30·21	−·03	33	31	0	S	5	r	*	39	29	-
"	Scilly 2pm	-	-	-	-	-	29·94	-	53	52	-	SW	5	0	5	-	-	-
14th	Scilly	29·93	50	WSW	4	0	29·84	−·09	46	43	−4	N	4	c	2	53	45	0·02
"	Coruna	*	*	*	*	*	30·07	−·10	55	*	−1	SW	3	c	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	29·88	-	50	46	-	WSW	4	bc	3	-	-	-
15th	Scilly	29·90	47	SW	4	c	29·87	+·03	52	52	+6	SSW	6	f d	5	52	48	0·09
"	Coruna	*	*	*	*	*	30·14	+·07	56	*	+1	SW	3	c f	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·01	-	53	52	-	SW	6	o	5	-	-	-
16th	Scilly	30·10	51	SW	6	bc	30·18	+·01	50	50	−2	S	6	o f	5	53	49	0·05
"	Coruna	*	*	*	*	*	30·31	+·17	54	*	−2	SW	3	c	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	29·97	-	54	52	-	S	7	o	6	-	-	-
17th	Scilly	30·19	52	SSW	6	f	30·04	−·04	53	51	+3	S	6	o	6	53	50	0·04
18th	Scilly	29·95	53	S	7	o	30·17	+·13	49	46	−4	WSW	6	c	6	54	48	0·10
"	Scilly 2pm	-	-	-	-	-	30·27	-	51	50	-	S	6	o	6	-	-	-
19th	Scilly	30·35	50	W	5	bc	30·28	+·28	49	48	0	S	6	o	6	52	46	0·04
"	Jersey	30·40	46	W	4	b	30·52	+·30	42	42	−6	S	0	f	0	52	40	0·04
"	Coruna	*	*	*	*	*	30·49	?	53	*	?	?	?	c	1	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·29	-	51	49	-	WNW	6	c	7	-	-	-
20th	Haparanda	29·29	36	SW	4	b	29·54	+·40	29	28	−3	W	4	b	*	36	28	-
"	Hernosand	29·79	38	WNW	4	b	29·94	+·49	34	31	−4	WSW	2	c	*	*	*	-
"	Stockholm	29·96	36	W	4	b	30·07	+·36	34	31	−5	W	4	bc	*	*	*	-
"	Visby	29·98	38	NW	6	b	30·15	+·24	36	35	−3	WNW	6	b	*	*	*	-
"	Portsmouth	30·31	46	SSE	6	bc	30·16	−·26	46	45	+4	S	6	c	4	52	40	0·06
"	Scilly	30·19	50	S	6	r	30·18	−·20	49	48	0	W	5	o	6	52	48	0·06
"	Jersey	30·43	43	S	3	b	30·30	−·22	43	42	+1	S	4	o m	4	46	41	0·04
"	Scilly 2pm	-	-	-	-	-	30·68	-	52	50	-	NW	4	o	6	-	-	-
21st	Scilly	30·39	50	NW	6	bc	30·66	+·48	49	47	0	NNW	4	bc	7	51	47	-
"	Jersey	30·41	45	SSW	2	0	30·62	+·32	46	46	+3	N	3	c m	3	47	42	0·07
"	Coruna	*	*	*	*	*	30·53	?	52	*	?	NE	6	c	7	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·59	-	49	48	-	E	3	o	5	-	-	-
22nd	Scilly	30·68	50	NW	4	0	30·65	−·01	46	46	−3	NNE	1	o f	6	53	45	0·01
"	Jersey	30·68	45	N	3	b	30·67	+·05	42	41	−4	E	1	b m	1	51	40	-
"	Coruna	*	*	*	*	*	30·41	−·12	50	*	−2	NE	8	b m	?	*	*	*
"	Scilly 2pm	-	-	-	-	-	30·39	-	51	48		NW	1	o	5	-	-	-
23rd	Scilly	30·56	49	E	3	0	30·42	−·22	48	47	+2	S	0	o f	5	50	46	0·01
"	Jersey	30·56	45	ENE	2	bc	30·45	−·22	41	40	−1	ENE	2	o m	2	49	39	-
"	Scilly 2pm	-	-	-	-	-	30·28	-	50	49	-	NW	3	o p	5	-	-	-
24th	Scilly	30·26	48	N	3	0	30·31	−·12	48	47	0	NW	3	o	5	52	47	-

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY. (*continued*)

DATE.	STATIONS.	† YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12).	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall
24th	Jersey	30·26	45	W	1	m	30·26	−·19	44	43	+ 2	WNW	2	bm	1	46	43	0·01
25th	Scilly	30·27	49	NW	4	o	30·28	−·03	49	48	+ 1	WNW	5	c	4	51	47	0·03
"	Jersey	30·35	42	E	1	m	30·30	+·04	44	44	0	E	1	m	1	46	41	–
"	Corunna	*	*	*	*	*	30·45	+·07	47	*	− 6	NE	3	c	1	*	*	*
"	Scilly 2pm	–	–	–	–	–	30·28	–	52	50	–	WNW	4	bv	4	–	–	–
26th	Scilly	30·28	49	W	4	c	30·19	−·09	49	49	0	SSW	5	o	4	52	47	0·01
"	Jersey	30·28	48	W	2	c	30·30	−·00	46	45	+ 2	W	3	b	3	51	43	–
"	Corunna	*	*	*	*	*	30·34	−·11	47	*	0	S	3	b	1	*	*	*
"	Scilly 2pm	–	–	–	–	–	30·14	–	52	50	–	SW	6	o	5	–	–	–
27th	Scilly	30·08	50	SSW	5	o	29·85	−·34	53	52	+ 4	SSW	6	o	6	53	49	0·02
"	Jersey	30·22	48	SW	4	o	30·06	−·24	47	46	+ 1	SW	5	c	4	50	43	–
"	Corunna	*	*	*	*	*	30·13	−·21	51	*	+ 4	SW	3	c	1	*	*	*
"	Scilly 2pm	–	–	–	–	–	29·69	–	53	53	–	SW	7	r	6	–	–	–
28th	Scilly	29·77	51	W	6	o	29·96	+·11	53	53	0	SW	6	fd	6	53	50	0·16
"	Jersey	29·86	49	SW	6	r	30·07	+·01	50	50	+ 3	W	5	f	4	51	46	0·29
"	Corunna	*	*	*	*	*	30·45	+·32	55	*	+ 4	SW	6	c	1	*	*	*
"	Scilly 2pm	–	–	–	–	–	29·97	–	53	53	–	SW	6	omw	6	–	–	–

CORRECTIONS

DATE.	STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in shade.	Wind. Direc.	Wind. Force.	Weather.	Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force.	Weather.	Sea.	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall
1st	Nottingham	–	35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2nd	Lochaber	?	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Leith	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	29	–
"	Portishead	–	38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Thurso 2pm	–	–	–	–	–	–	–	45	45	–	–	–	–	–	–	–	–
3rd	Thurso	–	–	–	–	–	–	–	–	–	–	–	–	–	–	54	–	–
"	London	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	37	–
4th	Leith	–	41	–	–	–	–	–	–	–	–	–	–	–	–	42	–	–
"	Roche's Point	–	–	–	–	–	–	–	–	39	–	–	–	–	–	–	–	–
5th	Greencastle	–	–	–	–	–	–	–	–	38	–	–	–	–	–	–	–	–
"	Donaghadee	–	–	–	–	–	30·51	–	–	–	–	–	–	–	–	–	–	–
6th	Wick	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	35	–
"	Jersey	–	–	–	–	–	30·55	−·02	–	–	–	–	–	–	–	–	–	–
7th	Thurso	–	–	S	–	–	–	–	44	–	− 5	–	–	–	–	–	–	–
"	Roche's Point	–	–	–	–	–	–	–	39	–	− 6	–	–	–	–	–	–	–
8th	Roche's Point	–	–	–	–	–	–	–	44	–	+ 5	–	–	–	–	–	39	–
9th	Wick	–	–	–	–	–	–	–	–	–	–	–	–	–	–	45	40	–
"	Roche's Point	–	–	–	–	–	–	–	–	–	+ 2	–	–	–	–	–	44	–
"	Plymouth	–	41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10th	Portishead	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·03
"	Dover	?30·23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11th	Donaghadee	–	41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Ardrossan	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Dover	?29·92	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12th	Aberdeen	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·01
"	Portishead	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·01
14th	Wick	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	26	–
"	Pembroke	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·01
15th	Scarborough	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·33
16th	Stornoway	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·01
"	Thurso	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	37	–
18th	Hurst Castle	30·05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Jersey	–	–	–	–	–	–	–	–	–	–	W	–	–	–	–	–	–
"	Holyhead 2pm	–	–	–	–	–	?30·04	–	–	–	–	–	–	–	–	–	–	–
19th	Ardrossan	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·18
20th	Stornoway	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·11
"	Valentia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·48
"	Hurst Castle	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·05
22nd	Pembroke	–	–	–	–	–	30·59	–	–	–	–	–	–	–	–	–	–	–
24th	Stornoway	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·06
"	Greencastle	30·23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26th	Valentia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No rain
27th	Sumburgh Head	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0·01
"	Stornoway	–	–	–	–	–	–	–	°42	?42	+ 8	–	–	–	–	46	–	–
"	Oxford	–	–	–	–	–	29·91	−·22	–	–	–	–	–	–	–	–	–	–
28th	Portishead	?29·63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
"	Hurst Castle	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	45	–